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FIBER ORGANON

Volume 62, No. 11 ☐ November 1991

A publication of *Fiber Economics Bureau, Inc.*

Highlights

- 1991 Directory of American Fiber Manufacturers... begins on page 259.
- U.S. Trade Balance in Apparel... begins on page 268.
- Third Quarter 1991 Production, Shipments and Ending Stocks... begins on page 280.

SHIPMENTS:

In October, total manufactured fiber shipments reached 833 million pounds, 9% above the 762 million pounds shipped in September and 5% above the 791 million pounds shipped in October 1990.

October shipments of synthetic (noncellulosic) filament yarn rose 4% to 392 million pounds and staple+tow rose 15% to 398 million pounds.

Contributing to the increase in shipments over the previous month were acrylic+modacrylic staple+tow up 22% or 8 million pounds, polyester industrial yarn up 20% or 6 million pounds and polyester staple+tow up 37 million pounds or 19%.

Year to date domestic shipments of manufactured fiber are down 1% and exports are up 1%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1991 OCT	1991 SEP	% CHG 10/91-9/91	1990 OCT	% CHG 10/91-10/90	YEAR TO DATE 1991	YEAR TO DATE 1990	% CHG YTD 1991-1990
ARTIFICIAL (CELLULOSIC)								
YARN	19.4	17.7	*+9.6*	19.3	*+0.5*	176.9	173.6	*+1.9*
RAYON STAPLE	23.2	22.1	*+5.0*	28.5	*-18.6*	222.6	261.2	*-14.8*
TOTAL ARTIFICIAL (CELL.)	**42.6**	**39.8**	***+7.0***	**47.8**	***-10.9***	**399.5**	**434.8**	***-8.1***
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	27.9	26.3	*+6.1*	28.5	*-2.1*	267.2	284.9	*-6.2*
- CARPET	91.0	90.9	*+0.1*	86.0	*+5.8*	793.7	818.2	*-3.0*
- TEXTILE [a]	36.2	32.6	*+11.0*	32.7	*+10.7*	320.9	306.9	*+4.6*
POLYESTER - INDUSTRIAL	32.4	26.9	*+20.4*	32.5	*-0.3*	280.5	299.1	*-6.2*
- TEXTILE [a]	82.9	72.5	*+14.3*	67.1	*+23.5*	718.2	630.8	*+13.9*
OLEFIN	121.6	126.6	*-3.9*	125.7	*-3.3*	1166.7	1199.1	*-2.7*
TOTAL YARN	**392.0**	**375.8**	***+4.3***	**372.5**	***+5.2***	**3547.2**	**3539.0**	***+0.2***
STAPLE+TOW+FIBERFILL								
NYLON	81.5	79.9	*+2.0*	89.1	*-8.5*	733.9	830.2	*-11.6*
ACRYLIC+MODACRYLIC	45.0	37.0	*+21.6*	40.1	*+12.2*	375.6	416.1	*-9.7*
POLYESTER	227.0	190.5	*+19.2*	206.9	*+9.7*	1848.7	1764.1	*+4.8*
OLEFIN	44.5	38.5	*+15.6*	34.8	*+27.9*	381.9	346.1	*+10.3*
TOTAL STAPLE	**398.0**	**345.9**	***+15.1***	**370.9**	***+7.3***	**3340.1**	**3356.5**	***-0.5***
TOTAL SYNTHETIC (NONCELL.)	**790.0**	**721.7**	***+9.5***	**743.4**	***+6.3***	**6887.3**	**6895.5**	***-0.1***
TOTAL MANUFACTURED FIBER	**832.6**	**761.5**	***+9.3***	**791.2**	***+5.2***	**7286.8**	**7330.3**	***-0.6***
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS [b]	783.3	719.0	*+8.9*	741.4	*+5.7*	6853.2	6899.2	*-0.7*
EXPORTS [c]	49.3	42.5	*+16.0*	49.8	*-1.0*	433.6	431.1	*+0.6*

[a] Includes low denier industrial yarn.

[b] Includes olefin exports.

[c] Excludes olefin exports.

Fiber Organon

A Monthly Review

November 1991

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1991 DIRECTORY OF AMERICAN FIBER MANUFACTURERS

NOTES & DEFINITIONS

This directory of producers is divided into the following categories:

(1) Artificial (Cellulosic) and Synthetic (Noncellulosic) Fibers
(2) Olefin Fiber
(3) Glass Fiber

The locality shown represents a plant site. Unless shown separately, the Head Sales Office address is the same as the Executive Office address.

The generic fiber names used in this survey are those established by the U.S. Federal Trade Commission (FTC). The *italicized* words are trademarks. All other fiber names are generic and appear in regular type.

● Indicates a company producing olefin fiber as well as other manufactured fiber(s). For example, Ketema produces olefin fiber (page 262) as well as nylon, polyester and saran.

* Indicates a new plant, in the planning stage or under construction, or a new facility for producing a new product at an existing plant. Such facilities are not expected to be operable before 1992.

Yarn means filament yarn.
Monofil means an extruded monofilament and may be either a round or a rectangular (ribbon) cross-section. Monofilaments for bristles are excluded.
Film includes **Slit:** tape produced by slitting an already attenuated wide sheet of olefin film; and **Split:** fibrillated slit film.
Not included in this survey is the slit film used for decorative or tying ribbon and such.
Rope includes braided and twisted rope as well as filler or core fiber.
Cordage is under 3/16" and includes tying and harvest (baler and binder) twine.
Industrial Goods means bags, bale wrap and protective covers, agricultural cloth, tarps and pool covers, etc.
Captive means that most or all of the fiber produced is consumed by the company in a vertical operation.

GENERIC NAMES

The following are generic names, in **bold** type, and a brief description of the fibers covered by each name shown in regular type.

GLASS FIBER

This fiber is made in two primary forms: continuous strand and staple sliver. Continuous strand is drawn fiber (i.e., from a textile-type bushing), while staple sliver, which is produced in relatively small amounts, is a blown fiber. Glass fiber thus ***does not*** include the substantial quantities of blown glass wool and pack, e.g., mat for air & liquid filtration, acoustical & thermal insulation, battery mats & separators and underground pipe wrap (except reinforcing).

Yarn & Strand: Continuous filament yarn and strand packaged for sale as such. Includes the yarn and strand used in the manufacture of nonwoven scrim for sale as such.
Roving: Two or more ends of untwisted strand. Includes spun strand roving (a single, continuous strand looped back on itself to give the equivalent of two or more strands) and roving for making woven roving.
Mat: Mat in any nonwoven form as made from a continuous filament, i.e., continuous strand mat (filaments bonded with a suitable binder to form a membrane) and chopped strand mat (1/2" to 3" strands deposited in a random manner and resin bonded).
Chopped: Chopped yarn, strand or roving (1/4" to 3-3/4" length).
Milled: Hammer-milled yarn, strand or roving (1/32" to 1/4" length).
Staple Yarn & Sliver: A blown fiber, as noted, and means ribbons of generally parallel glass staple (3" to 15" random lengths) with or without a filament yarn reinforcement, with or without a binder, and slightly condensed to an approximately uniform cross section.

ARTIFICIAL (CELLULOSIC) FIBERS

Acetate: Artificial (cellulosic) acetate. Cigarette filtration tow is excluded.
Triacetate: Cellulose acetate, wherein not less than 92% of the hydroxyl groups are acetylated.
Rayon: Regenerated cellulose, including substitutions for not more than 15% of the hydrogens of the hydroxyl groups. Includes high wet modulus fiber.
Cupra: Cuprammonium rayon. The viscose rayon yarns are identified as **ind** (industrial or high tenacity yarn) and **reg** (regular or textile yarn).

SYNTHETIC (NONCELLULOSIC) FIBERS

Acrylic: At least 85% acrylonitrile by weight.
Modacrylic: 35% to 84% acrylonitrile by weight, except when it qualifies as rubber.
Nylon: A long-chain synthetic polyamide in which less than 85% of the amide linkages are attached directly to two aromatic rings. The types are identified as 6, 66, etc. Where a company produces both type 6 and type 66, the designation 6/66 is used.
Aramid: A long-chain synthetic polyamide in which at least 85% of the amide linkages are attached directly to two aromatic rings.
Olefin: At least 85% ethylene, propylene or other olefin units by weight, except amorphous (noncrystalline) polyolefins qualifying as rubber. **E** means Polyethylene and **P** means Polypropylene. Also see adjoining notes on olefin fiber.
PBI: A long chain having recurring imidazole groups.
Polyester: At least 85% by weight of an ester of a substituted aromatic carboxylic acid, including but not restricted to substituted terephthalic units, and parasubstituted hydroxybenzoate units.
Saran: At least 80% vinylidene chloride by weight.
Spandex: At least 85% of segmented polyurethane.
Sulfar: A long chain synthetic polysulfide in which at least 85% of the sulfide linkages are attached to two aromatic rings.
Vinyon: At least 85% vinyl chloride by weight.

Other manufactured fibers included in this survey, but not listed by the FTC, are Polycarbonate and **TFE-** & **FEP**-fluorocarbon.

Not covered in this survey are fibers which would fall under the FTC's generic designations of rubber, lastrile, metallic and novoloid. Fibers falling under the FTC designations of anidex, azlon and nytril are not produced in the United States.

Carbon fibers are not included in this survey.

ALBANY INTERNATIONAL-MONOFILAMENT PLANT ●

EXECUTIVE OFFICE: 156 South Main Street, Homer, NY 13077

Fluoro	Homer, NY *Halar, Kynar, Tefzel* (monofil)
Nylon 6/66/612	Homer (monofil)
Polyester	Homer (monofil - regular & hydrolysis - resistant)

ALLIED-SIGNAL INC., ENGINEERED MATERIALS SECTOR, FIBERS DIVISION ●

EXECUTIVE OFFICE: P.O. Box 31, Petersburg, VA 23804

REGIONAL SALES: 400 North Tustin Avenue, Santa Ana, CA 92705
2100 Fiber Park Drive, Dalton, GA 30720
64 South Miller Road, Akron, OH 44313
1411 Broadway, New York, NY 10018

Nylon 6	Columbia, SC and Chesterfield, VA *A.C.E., Anso-Tex, Anso IV HP, Anso V Worry Free, Anso, Anso with Scotchgard Stain Release, Anso Crush Resister, Anso TI, Caplana, Caprolan, Caprolan 2000 Sea Gard, Caprolan 2000 Stay Gard, Capima, Captiva, Compet, Creme De Captiva, Hydrofil, Patina* (yarn, monofil & staple)
Polyester	Moncure, NC *A.C.E., A.C.E. Sea Gard, Compet, Stay Gard* (yarn & monofil)

AMERICAN CYANAMID COMPANY, FIBERS DEPARTMENT

EXECUTIVE OFFICE: One Cyanamid Plaza, Wayne, NJ 07470

REGIONAL SALES: P.O. Box 32787, Charlotte, NC 28232

Acrylic	Milton, FL *Creslan* (staple & tow)

AMERICAN MICRELL*

EXECUTIVE OFFICE: P.O. Box 338, Blacksburg, SC 29702

Polyester	Blacksburg, SC (yarn)

BASF CORPORATION FIBERS DIVISION

EXECUTIVE OFFICE: P.O. Drawer D, Williamsburg, VA 23187

REGIONAL SALES: 1100 Town & Country Road, Suite 740, Orange, CA 92668
500 Holiday Avenue, P.O. Box 98, Dalton, GA 30722
1675 Broadway, 35th Floor, New York, NY 10019
629 Green Valley Road, Suite 200, Greensboro, NC 27408

Nylon 6	Enka, NC; Anderson & Central, SC and Lowland, TN *Crepeset, Shimmereen, Softglo, Vivana, Zefsport, Zeftron, Zeftron 500, Zeftron 500 ZX* (yarn & staple)
Polyester	Lowland, TN *Golden Glow, Golden Touch, Silky Touch, Strialine, Ultra Touch* (yarn)
Rayon	Lowland, TN *Zantrel* (staple)

BASF Corporation has a carpet yarn spinning plant in Sylvania, GA.

BEAULIEU OF AMERICA, INC. ●

EXECUTIVE OFFICE: P.O. Box 4539, Dalton, GA 30721

Nylon 6	Bridgeport, AL (yarn)

BERKLEY & CO. INC. ●

EXECUTIVE OFFICE: Highways 9 & 71, Spirit Lake, IA 51360

Nylon 6	Spirit Lake, IA (monofil)

CAMAC CORPORATION ●

A Cookson Company

EXECUTIVE OFFICE: P.O. Box 1004, Bristol, VA 24203

Nylon 6	Bristol, VA *Camalon* (yarn)
Polyester	Bristol (yarn)

CONSOLIDATED TEXTILES

EXECUTIVE OFFICE: P.O. Box 240416, Charlotte, NC 28224

Polyester	Marian, SC (staple)

COURTAULDS FIBERS INC.

MARKETING/MERCHANDIZING: 104 West 40th Street, New York, NY 10018

CORPORATE OFFICE: P.O. Box 141, Axis, AL 36505

Rayon	Le Moyne, Mobile County, AL *Fibro, Tencel* (staple)

DORSETT CARPET MILLS INC. ●

BCF YARN DIVISION

EXECUTIVE OFFICE: P.O. Box 740, Chatsworth, GA 30705

Nylon 6	Chatsworth, GA (yarn)

E. I. DU PONT DE NEMOURS & COMPANY (INC.) ●

DUPONT FIBERS ●

EXECUTIVE OFFICE: Wilmington, DE 19880-0722

REGIONAL SALES: 403 Holiday Avenue, Dalton, GA 30720
1251 Avenue of the Americas, New York, NY 10020
6250 Fairview Road, Charlotte, NC 28234
4000 Embassy Parkway, Akron, OH 44333

Aramid	Richmond, VA *Kevlar* (yarn), *Nomex* (yarn, staple & tow)
Nylon 66	Seaford, DE; Camden, SC; Chattanooga, TN and Martinsville, Richmond & Waynesboro, VA *Antron, Supplex* (yarn, monofil, staple & tow)
Polyester	Kinston & Wilmington, NC and Camden & Charleston, SC *Dacron* (yarn, staple, tow & fiberfill)
Spandex	Waynesboro *Lycra* (fused multifil or coalesced monofil)

POLYMER PRODUCTS

EXECUTIVE OFFICE: See Listing Above

Nylon 6/66/612 & Polyester	Parkersburg, WV *Dacron, Dymetrol, Tynex, Vylor* (monofil of 50 denier & coarser)

EASTMAN KODAK COMPANY

EASTMAN CHEMICAL COMPANY

EXECUTIVE OFFICE: P.O. Box 511, B-54B, Kingsport, TN 37662-5054

MARKETER: EASTMAN CHEMICAL PRODUCTS, INC., P.O. Box 431, Kingsport, TN 37662-5054

Acetate	Kingsport, TN *Chromspun, Estron* (yarn)
Polyester	Kingsport *Kodel* (staple)

FIBER WEB NORTH AMERICA, INC. ●

(Formerly James River Corporation)

EXECUTIVE OFFICE: 545 North Pleasantburg Drive, Greenville, SC 29607

Nylon 6/66	Cantonment, FL *Cerex* (spunbonded)
Polyester	Milford, NJ and Simpsonville, SC *Polyweb* (thermal bond & meltblown)

FIRESTONE FIBERS & TEXTILES COMPANY

DIVISION OF BRIDGESTONE/ FIRESTONE, INC.

EXECUTIVE OFFICE: P.O. Box 1278, Gastonia, NC 28052

Polyester	Hopewell, VA (yarn)

FOSS MANUFACTURING COMPANY, INC. ●

EXECUTIVE OFFICE: 380 Lafayette Road, P.O. Box 5000, Hampton, NH 03842-5000

Polyester	Haverhill, MA and Hampton, NH (staple - captive)

GATES FORMED FIBER PRODUCTS, INC.

EXECUTIVE OFFICE: Washington Street, P.O. Box 1300, Auburn, ME 04210

Polyester	Auburn, ME (staple)

GLOBE MANUFACTURING CO.

EXECUTIVE OFFICE: 456 Bedford Street, Fall River, MA 02720

Spandex	Fall River, MA and Gastonia, NC *Cleerspan, DC-$_{100}$, DC-$_{700}$, Glospan* (fused multifil)

THE GOODYEAR TIRE & RUBBER COMPANY, POLYESTER DIVISION

EXECUTIVE OFFICE: Akron, OH 44316-0001

Polyester	Scottsboro, AL and Point Pleasant, WV (yarn - captive)

GUILFORD FIBERS

GUILFORD MILLS INC.

EXECUTIVE OFFICE: 4925 West Market Street, Greensboro, NC 27402

REGIONAL SALES: 200 Dickens Road, P.O. Box 789, Fuquay-Varina, NC 27526

Nylon 6	Gainesville, GA (monofil)
Polyester	Fuquay-Varina, NC (yarn & monofil)

GULF FIBERS INC.

EXECUTIVE OFFICE: Falk Industries, Inc., 569 Broadway, New York, NY 10012

Nylon 6	Le Moyne, Mobile County, AL (monofil)

HOECHST CELANESE TEXTILE FIBERS ●

EXECUTIVE OFFICE: 6000 Carnegie Blvd., Charlotte, NC 28209

SALES OFFICE: 900 Circle 75 Parkway, Suite 1240, Atlanta, GA 30339

REGIONAL SALES: California Mart, 110 East 9th Street, Room A 1229, Los Angeles, CA 90079
Crown Pointe Bldg., Suite 240, 175 Montrose West Avenue, Akron, OH 44321

Acetate	Rock Hill, SC *Celriver* and Narrows, VA *Celco* (yarn, staple & tow)
Nylon 6/66	Waynesboro, VA (monofil)
Polyester	Salisbury & Shelby, NC, Spartanburg, SC and Waynesboro, VA *BTU, Ceylon, Comfort Fiber, ESP, Loftguard, Polar-Guard, Premafill Soft, Premafill Plump, Serene, Superba, Trevira* (yarn, staple, tow, highloft, spunbonded & monofil))
PBI	Rock Hill (staple)
Polycarbonate	Waynesboro (monofil)

IMAGE CARPETS, INC.

EXECUTIVE OFFICE: Hwy 140 - P.O. Box 5555, Armuchee, GA 30105

Polyester	Armuchee, GA (staple - captive)

JOHNSON FILAMENTS, INC.

EXECUTIVE OFFICE: Industrial Avenue, Williston, VT 05495

Nylon 6/66	Williston, VT (monofil)
Polyester	Williston (monofil)

KAYSER-ROTH CORPORATION YARN MANUFACTURING DIVISION

EXECUTIVE OFFICE: 2303 West Meadowview Road, Greensboro, NC 27407

Nylon 66	Creedmoor, NC (yarn - captive)

KETEMA INC., SPECIAL FILAMENTS DIVISION ●

EXECUTIVE OFFICE: 8335 Telegraph Road, Odenton, MD 21113

Nylon 6/66/612/610/12	Odenton, MD (monofil)
Polyester	Odenton (monofil)
PEEK	Odenton (monofil)
PPS	Odenton (monofil)

LEWISTOWN "SPECIALTY" YARNS, INC.

EXECUTIVE OFFICE: 1000 Elizabeth Street, Lewistown, PA 17044

Polyester	Lewistown, PA (yarn)

MANN INDUSTRIES, INC.

EXECUTIVE OFFICE: P.O. Box 919, Williamsburg, VA 23187-0919

Acrylic	Williamsburg, VA 100% Homopolymer Acrylic, Non-Dyeable, Precolored Fiber/Tow; A-451 Series Solution Dyed; A-405 Series-Producer Colored, *Biokryl* (Antimicrobial Fiber/Yarn); CF-944 (Conductive Fiber); A-583 (Reinforcing Fiber); A-513, A-521 (Friction Products); JM-190 (Asbestos Replacement) (staple)

MARTIN COLOR-FI, INC. ●

EXECUTIVE OFFICE: P.O. Box 469, Edgefield, SC 29824

Nylon	Sumter & Trenton, SC (staple & tow)
Polyester	Sumter & Trenton (staple & tow)

MONSANTO COMPANY

EXECUTIVE OFFICE: 800 North Lindbergh Blvd., St. Louis, MO 63167

MONSANTO CHEMICAL COMPANY, FIBERS & ENGINEERED PRODUCTS DIVISION

REGIONAL SALES: 24012 Calle de la Plata, Suite 250, Laguna Hills, CA 92654
320 Interstate North Parkway, Atlanta, GA 30339
1460 Broadway, 11th Floor, New York, NY 10036
6230 Fairview Road, Charlotte, NC 28210
260 Springside Drive, P.O. Box 5444, Akron, OH 44313-0444

Acrylic	Decatur, AL *Acrilan, Acrilan II, Bi-Loft, Duraspun, Du-Rel, Fi-Lana II, Pa-Qel, So-Lara* (staple & tow)
Modacrylic	Decatur *SEF, SEF Plus* (staple & tow)
Nylon 66	Pensacola, FL and Greenwood, SC *No-Shock, Ultron* (yarn, monofil & staple)
Nylon 66/Acrylic	Foley, AL *Traffic Control Fiber System* (staple)

NORTH AMERICAN POLYESTER CORPORATION

Subsidiary of North American Rayon Corporation

EXECUTIVE OFFICE: West Elk Avenue, Elizabethton, TN 37643

Polyester	Elizabethton, TN (staple)

NORTH AMERICAN RAYON CORPORATION

EXECUTIVE OFFICE: West Elk Avenue, Elizabethton, TN 37643
REGIONAL SALES: 500 Fifth Avenue, New York, NY 10110

Rayon	Elizabethton, TN (ind & reg yarn & tow)

PHILLIPS FIBERS CORPORATION ●

Subsidiary of Phillips 66 Company

EXECUTIVE OFFICE: P.O. Box 66, Interstate 85, Greenville, SC 29602

Sulfar	Rocky Mount, NC *Ryton* (staple)

REEMAY, INC. ●

EXECUTIVE OFFICE: P.O. Box 511, Old Hickory, TN 37138

Polyester	Old Hickory, TN *Reemay* (spunbonded)

SHAKESPEARE COMPANY, MONOFILAMENT DIVISION ●

SALES OFFICE: 6111 Shakespeare Road, Columbia, SC 29223
P.O Box 4060, Columbia, SC 29240

Nylon 6/66/610	Columbia, SC (monofil)
Polyester	Columbia (monofil)
PEEK	Columbia (monofil)
PPS	Columbia (monofil)

STAR FIBERS, INC.

EXECUTIVE OFFICE: P.O. Box 588, Edgefield, SC 29824
REGIONAL SALES: Edgefield, SC 29824

Nylon 6/66	Edgefield, SC *Starbrite* (staple)

TOLARAM FIBERS, INC. ●

EXECUTIVE OFFICE: 9140 Arrow Point Blvd., Suite 270, Charlotte, NC 28273

Nylon 66	Ansonville, NC (yarn)
Polyester	Ansonville & Asheboro, NC (yarn)

WELLMAN, INC./FIBER INDUSTRIES

EXECUTIVE OFFICE: 1040 Broad Street, Suite 302, Shrewsbury, NJ 07702
SALES OFFICE: 1133 Avenue of the Americas, New York, NY 10036
REGIONAL SALES: 5146 Parkway Plaza Blvd., Charlotte, NC 28217
4040 Summit Drive, Marietta, GA 30068

Nylon 6/66	Johnsonville, SC *Wellon, Wellstrand* (staple, tow & tops)
Polyester	Fayetteville, NC and Darlington & Johnsonville, SC *Fillwell, Fortrel, Wellene, Wellstrand* (yarn, staple & tow)

YKK (U.S.A.) INC.

EXECUTIVE OFFICE: 4324 Ocmalgee East Blvd., Macon, GA 31297

Polyester	Macon, GA (yarn)

OLEFIN FIBER

ACS INDUSTRIES, INC.

EXECUTIVE OFFICE: 160 Hamlet Avenue, Woonsocket, RI 02895
PLANT: Woonsocket, RI (P yarn, monofil & multifil)

ALADDIN MILLS, INC.

EXECUTIVE OFFICE: P.O. Box 2208, Dalton, GA 30722
PLANT: Dalton, GA (P yarn)

ALBANY INTERNATIONAL - MONOFILAMENT PLANT

EXECUTIVE OFFICE: See Listing on Page 260.
PLANT: Homer, NY (P monofil)

ALLIED-SIGNAL INC., ENGINEERED MATERIALS SECTOR, FIBERS DIVISION

EXECUTIVE OFFICE: See Listing on Page 260.
PLANT: Chesterfield, VA *Spectra* (E yarn & staple)

AMERICAN MANUFACTURING COMPANY

EXECUTIVE OFFICE: 200 South Park Road, Lafayette, LA 70505
REGIONAL SALES: 107 Trumball Street, Elizabeth, NJ 07206
5854 Hollis Street, Emeryville, CA 94608
1520 Industrial Blvd., Jacksonville, FL 32205
6110 Bienvenue Street, New Orleans, LA 70117
1715 South 11th Street, St. Louis, MO 63104
1350 Kress Street, Houston, TX 77020
5050 First Avenue South, Seattle, WA 98134
LAFAYETTE ROPE DIVISION
PLANT: Lafayette, LA *Amco, American, Bondtie, Floterope, Ultraline* (E & P monofil & film)

AMERICAN POLYCRAFT, INC.

EXECUTIVE OFFICE: P.O. Box 3603, 107 Callahan Road SE, Dalton, GA 30721-0603
PLANT: Dalton, GA (P yarn & film)

AMOCO FABRICS & FIBERS COMPANY

EXECUTIVE OFFICE: 900 Circle 75 Parkway, Suite 550, Atlanta, GA 30339
REGIONAL SALES: 15066 Shoemaker Avenue, Santa Fe Springs, CA 90670
P.O. Box 911, Dalton, GA 30722-0911
P.O. Box 3667, 835 Shugart Road, Dalton, GA 30721-0667
6407 Idlewild Road, Suite 106, Charlotte, NC 28212
PLANT: Andalusia & Roanoke, AL; Bainbridge, Hazlehurst & Nashville, GA and Afton, VA *Amoweve, Condesa, Genesis, Marquésa Lana, Marquésa Lana ST, Patlon, Patlon Plus, Propex III, Synera* (P yarn, monofil, film & staple)

ARLIN MFG. CO., INC.

EXECUTIVE OFFICE: 239 Industrial Avenue, Lowell, MA 01853
PLANT: Lowell, MA (P film)

BEAULIEU OF AMERICA, INC.

EXECUTIVE OFFICE: See Listing on Page 260
PLANT: Bridgeport, AL and Dalton, GA (P yarn, film & staple)

BERKLEY & CO. INC.

EXECUTIVE OFFICE: See Listing on Page 260
PLANT: Spirit Lake, IA (E & P monofil - captive)

BLUE MOUNTAIN INDUSTRIES

EXECUTIVE OFFICE: 20 Blue Mountain Road, Blue Mountain, AL 36201
PLANT: Blue Mountain, AL *Poly Tying Twines, Polylasting, TY-EZ Polytapes* (E & P film)

BRIDON CORDAGE INC.

EXECUTIVE OFFICE: 909 16th Street, Albert Lea, MN 56007
PLANT: Albert Lea, MN (P film cordage)

CALIFORNIA WEBBING INDUSTRIES, INC.

EXECUTIVE OFFICE: 4560 Pacific Blvd., Los Angeles, CA 90058
PLANT: Los Angeles, CA (P yarn)

CAMAC CORPORATION

A Cookson Company

EXECUTIVE OFFICE: See Listing on Page 260
PLANT: Bristol, VA (P yarn)

CARRIAGE INDUSTRIES

EXECUTIVE OFFICE: Box 12542, Calhoun, GA 30703
PLANT: Calhoun, GA (P yarn)

CHASE PACKAGING CORPORATION

Subsidiary of Union Camp Corp.

EXECUTIVE OFFICE: 53 Forest Avenue, Old Greenwich, CT 06870
PLANT: Portland, OR (P film industrial goods)

CIRTEX CORPORATION

EXECUTIVE OFFICE: Dalton, GA
PLANT: Dalton, GA (P film)

COLUMBIAN ROPE COMPANY

EXECUTIVE OFFICE: P.O. Box 270, 145 Towery Street, Guntown, MS 38849
REGIONAL SALES: P.O. Box 270, 145 Towery Street, Guntown, MS 38849
PLANT: Guntown, MS *Polypro 6* (E & P monofil & film)

CONTINENTAL

(P yarn)

CROWE ROPE COMPANY

EXECUTIVE OFFICE: Warren, ME 04864
PLANT: Warren, ME *Crowelon* (P monofil & film)

CUMBERLAND MILLS, INC.

EXECUTIVE OFFICE: 1010 North Hamilton Street, Dalton, GA 30720
PLANT: Dalton, GA (P yarn)

CUTLASS CARPET COMPANY

PLANT: Dalton, GA (P yarn)

DIAMOND MILLS, INC.

EXECUTIVE OFFICE: P.O. Box 46, Eton, GA 30724
PLANT: Eton, GA (P yarn & film)

DICEY MILLS, INC.

EXECUTIVE OFFICE: Neisler Street, Box 1090, Shelby, NC 28150
PLANT: Shelby, NC (P yarn)

DORSETT CARPET MILLS INC.
BCF YARN DIVISION

EXECUTIVE OFFICE: See Listing on Page 260
PLANT: Chatsworth, GA (P yarn)

E. I. DU PONT DE NEMOURS & COMPANY (INC.)
DUPONT FIBERS

EXECUTIVE OFFICE: See Listing on Page 260
PLANT: Richmond, VA *Tyvek* (E spunbonded), Chattanooga, TN (P yarn)

ELIZABETH WEBBING MILLS CO., INC.

EXECUTIVE OFFICE: 521 Roosevelt Avenue, Central Falls, RI 02862
PLANT: Central Falls, RI (P yarn)

ENSIGN-BICKFORD INDUSTRIES, INC.
FILM FIBERS DIVISION

EXECUTIVE OFFICE: 630 Hopmeadow Street, Simsbury, CT 06070
PLANT: Simsbury, CT *E-B Mesh®*, chopped fibers for concrete (P film)

EXTRUDED FIBERS, INC. -

EXECUTIVE OFFICE: 112 West Westcott, Dalton, GA 30721
PLANT: Dalton, GA (P yarn)

EXXON CHEMICAL COMPANY,
POLYMERS GROUP - TEXTILES DIVISION

DIVISION HEADQUARTERS: 2550 West Fifth North Street, Summerville, SC 29483-9699
MARKETING OFFICE: 2100 River Edge Parkway, Suite 1025, Atlanta, GA 30328-4654
PLANT: Summerville, SC (P monofil & film)
The company also weaves *Baxon* carpet backing and packaging fabrics at Summerville, SC.

POLYMERS GROUP - TWINE DIVISION

DIVISION HEADQUARTERS: 100 South Penalosa, Kingman, KS 67068
MARKETING OFFICE: 100 South Penalosa, Kingman, KS 67068
PLANT: Kingman, KS and Clearfield, UT (P monofil & film)

FIBER WEB NORTH AMERICA, INC.
(Formerly James River Corporation)

EXECUTIVE OFFICE: See Listing on Page 261
PLANT: Milford, NJ; Simpsonville, SC and Washougal, WA *Celestra, Fibretex* (P spunbonded)

FIBERS & FABRICS OF GEORGIA, INC.
Subsidiary of Georgia Synthetics, Inc.

EXECUTIVE OFFICE: P.O. Box 962, Elberton, GA 30635
PLANT: Elberton, GA (PP yarns, fibrillated, roll embossed filaments & slit tape)

FIBERS SOUTH, INC.

EXECUTIVE OFFICE: P.O. Box 189, Trussville, AL 35173
PLANT: Trussville, AL *Polystar, Trustite, Tyrite* (P film, monofil, tapes & staple)

FILAMENT FIBER TECHNOLOGY INCORPORATED

EXECUTIVE OFFICE: 571 West Lake Avenue, Bay Head, NJ 08742
PLANT: Salisbury, NC (P fine denier yarn)

FNT INDUSTRIES, INC.

EXECUTIVE OFFICE: 927 First Street, Menominee, MI 49858
PLANT: Menominee, MI (E monofil)

FOSS MANUFACTURING CO., INC.

EXECUTIVE OFFICE: See Listing on Page 261
PLANT: Haverhill, MA and Hampton, NH (P staple - captive)

GENERAL FIBERS & FABRICS, INC.

EXECUTIVE OFFICE: Orchard Hill Road, La Grange Industrial Park, La Grange, GA 30240
PLANT: La Grange & Soperton, GA (P film)
The company also weaves *Supertuft* carpet backing as well as bagging and woven polypropylene fabrics here.

GEORGIA SYNTHETICS, INC.

EXECUTIVE OFFICE: P.O. Box 962, Elberton, GA 30635
PLANT: Elberton, GA (PP carpet backing, industrial fabrics)

HERCULES INCORPORATED
ABSORBENT AND TEXTILE PRODUCTS GROUP

EXECUTIVE OFFICE: Hercules Plaza, Wilmington, DE 19894
MARKETING HEADQUARTERS: 3169 Holcomb Bridge Road, Suite 301, Norcross, GA 30071
PLANT: Oxford, GA *Elustra, Herculon, Nouvelle* (P yarn & staple)

HOECHST CELANESE TEXTILE FIBERS

EXECUTIVE OFFICE: See Listing on Page 261
PLANT: Waynesboro, VA (P monofil)

THE HOOVEN & ALLISON COMPANY
EXECUTIVE OFFICE: 677 Cincinnati Avenue, Xenia, OH 45385
PLANT: Xenia, OH (P film)

J & J INDUSTRIES
EXECUTIVE OFFICE: P.O. Box 1287, Dalton, GA 30722
PLANT: Dalton, GA (P yarn)

KETEMA INC., SPECIAL FILAMENTS DIVISION
EXECUTIVE OFFICE: See Listing on Page 261.
PLANT: Odenton, MD (E & P monofil)

KIMBERLY-CLARK CORPORATION
EXECUTIVE OFFICE: 1400 Holcomb Bridge Road, Roswell, GA 30076
PLANT: Corinth, MS; Balfour & Lexington, NC; La Grange, GA and Neenah, WI *Accord, Duraguard, Evolution* (P spunbonded); *Cyclean, Evolution III* (P spunbonded/meltblown laminate)

LAMBETH CORPORATION
EXECUTIVE OFFICE: 627 Tarkiln Hill Road, P.O. Box G-825, New Bedford, MA 02742-0825
PLANT: New Bedford, MA *Lambeth* (E & P monofil)

LAWRENCE INDUSTRIES
SALES OFFICE: P.O. Box 1838, Burlington, NC 27215
PLANT: Burlington, NC (E monofil - captive)

LORETEX CORPORATION
EXECUTIVE OFFICE: Northeastern Industrial Park, Bldg. 18, P.O. Box 45, Guilderland Center, NY 12085
REGIONAL SALES: Research Plastics Marketing, 9 Pickering Way, Salem, MA 01970
PLANT: Guilderland Center, NY (E film - captive)

MARTIN COLOR-FI, INC.
EXECUTIVE OFFICE: See Listing on Page 262.
PLANT: Sumter, SC (P staple)

MIRAFI
Division of Ten Cate Geosynthetics Group
EXECUTIVE OFFICE: P.O. Box 240967, Charlotte, NC 28224
PLANT: Cornelia, GA (P film & monofil)

ORIAN RUGS INC.
EXECUTIVE OFFICE: P.O. Drawer 2276, Highway 81 North, Anderson, SC 29622
PLANT: Anderson, SC (PP yarn)

THE OSTERNECK COMPANY
EXECUTIVE OFFICE: P.O. Box 859, Lumberton, NC 28359
PLANT: Lumberton, NC (P film)
The company weaves industrial goods here, and converts into tubing & bale wraps.

PAN AMERICAN AGRI FABRICS
(Formerly Sarlon Industries, Inc.)
EXECUTIVE OFFICE: 775 N.W. 71st Street, Miami, FL 33150
PLANT: Miami, FL (P monofil & film)

PHILLIPS FIBERS CORPORATION
Subsidiary of Phillips 66 Company
EXECUTIVE OFFICE: See Listing on Page 262.
PLANT: Rocky Mount, NC and Seneca & Spartanburg, SC *Alpha, Marvess* (P yarn, staple & tow)
The company also manufactures *Duon, Petromat, Rufon & Supac* nonwoven fabrics at Seneca, SC.

POLI -TWINE WESTERN INC.
EXECUTIVE OFFICE Box 1255, Bldg. A-16A, Freeport Center, Clearfield, UT 84016
PLANT: Clearfield, UT (P monofil, P film, rope & cordage)

POLYLOOM CORPORATION OF AMERICA
EXECUTIVE OFFICE: 1615 North Broadway, P.O. Box 289, Dayton, TN 37321
PLANT: Dayton, TN *Polyloom* (P split film)

PRINCETON (CARPET IND. OF N.A.)
EXECUTIVE OFFICE: P.O. Box 100050, 201 Princeton Blvd., Adairsville, GA 30103-8050
PLANT: Adairsville, GA (P yarn)

REEMAY, INC.
EXECUTIVE OFFICE: See Listing on Page 262.
PLANT: Old Hickory, TN *Typar, Typelle, Tekton, Biobarrier* (P spunbonded)

SHAKESPEARE MONOFILAMENT DIVISION
EXECUTIVE OFFICE: See Listing on Page 262.
PLANT: Columbia, SC (P monofil)

SHAW INDUSTRIES
(Formerly Armstrong World Industries, Inc.)
EXECUTIVE OFFICE: P.O. Drawer 2128, Dalton, GA 30722-2128
PLANT: Charlotte, NC (P yarn & film - captive)

SHUFORD MILLS, INC.

EXECUTIVE OFFICE: Highland Avenue & 15th Street, N.E., Hickory, NC 28601
PLANT: Hickory, NC (P film, cordage & twine)

SOLUTION FIBERS INC.

EXECUTIVE OFFICE: P.O. Box 447, 110 West McCarter Road, Lafayette, GA 30728
PLANT: Lafayette, GA *Better Body, Luxene* (P yarn)

SOUTHERN WEAVING, INC.

EXECUTIVE OFFICE: Greenville, SC 29602
PLANT: Greenville, SC (P yarn)

STEVENS FIBER DIVISION, STEVENS LINEN ASSOC., INC.

EXECUTIVE OFFICE: P.O. Box 220, Webster, MA 01570
PLANT: Dudley, MA (P staple)

SUNSHINE ROPE MANUFACTURING INC.

EXECUTIVE OFFICE: 7250 N.W. 41 Street, Miami, FL 33166-6799
PLANT: Miami, FL (E & P monofil, cordage)

SYNTEC INDUSTRIES

EXECUTIVE OFFICE: P.O. Box 5695, Rome, GA 30162
PLANT: Rome, GA (P staple)

SYNTHETIC INDUSTRIES

EXECUTIVE OFFICE: 309 Lafayette Road, Chickamauga, GA 30707
PLANT: Chickamauga & Dalton, GA (P film, yarn & staple)

SYNTHETIC INDUSTRIES, FIBRON DIVISION

EXECUTIVE OFFICE: 4019 Industry Drive, Chattanooga, TN 37416
PLANT: Chattanooga, TN *Fibri-Cord, Fibri-Knit, Fibrilawn, Fibrilon* (P film)

TECHNOTRADE

PLANT: Dalton, GA (P yarn)

TOLARAM FIBERS, INC.

EXECUTIVE OFFICE: See Listing on Page 262
PLANT: Ansonville, NC (P yarn)

TWINE PRODUCTS CORPORATION

EXECUTIVE OFFICE: 201 Dufossat, P.O. Box 15285, New Orleans, LA 70175
PLANT: New Orleans, LA (P film)

UNITED STATES ROPE COMPANY

EXECUTIVE OFFICE: 711 Hamilton Avenue, Menlo Park, CA 94025
PLANT: Menlo Park, CA (P monofil)

WALL INDUSTRIES, INC.

EXECUTIVE OFFICE: P.O. Box 830, Granite Quarry, NC 28072
PLANT: Granite Quarry, NC (E & P monofil, rope and cordage)

WALTRICH PLASTIC CORPORATION

EXECUTIVE OFFICE: P.O. Box D, Walthourville, GA 31333
PLANT: Walthourville, GA (P monofil)

WAYN-TEX, INC.

EXECUTIVE SALES OFFICE: Box 648, Dalton, GA 30720
PLANT: Waynesboro, VA *Beamette, Wayntuf* (E & P monofil & P film)
The company weaves *Wayntuf* primary carpet backing.

WELLINGTON LEISURE PRODUCTS INC.

EXECUTIVE OFFICE: Madison, GA 30650
PLANT: Pilot Mountain, NC *Pur-Ty, Welltite* (P yarn & E & P monofil & film)

WELLINGTON SYNTHETIC FIBRES, INC.

EXECUTIVE OFFICE: 52 Courtland Street, Paterson, NJ 07503
PLANT: Leesville & Summerville, SC (P yarn & monofil)
The company also weaves outdoor furniture webs at Leesville.

The following companies are also producing a variety of textile products from olefin: **Conwed Corp. Conwed Plastic Netting** (P embossed film for netting); **E.I. du Pont De Nemours & Company (Inc.)** (E & P embossed film for netting); **Hercules Incorporated, Polymers Division** *Delnet* (E embossed film for netting); **Nalle Inc.** (P embossed film for netting); and **The 3M Company** (P spunbonded).

GLASS FIBER

FIBER GLASS INDUSTRIES, INC.

EXECUTIVE OFFICE: RD 5, Edson Street, Amsterdam, NY 12010
PLANT: Amsterdam, NY (roving & chopped, woven, mats)

GAF BUILDING MATERIALS CORPORATION

EXECUTIVE OFFICE: 1361 Alps Road, Wayne, NJ 07470
PLANT: Nashville, TN (chopped - captive)

GFT, INC. (GLASS FIBER TECHNOLOGY)

EXECUTIVE OFFICE: P.O. Box 670, Chester, SC 29706
PLANT: Chester, SC (wet chop for shingles)

LUNDY TECHNICAL CENTER

EXECUTIVE OFFICE: Pompano Beach, FL 33064
PLANT: Pompano Beach, FL *RoMHOglas* (metallized glass fiber roving & strand and nonwoven metallized glass mat)

MANVILLE SALES CORPORATION

REINFORCEMENTS & FILTRATION DIVISION

EXECUTIVE OFFICE: P.O. Box 517, Toledo, OH 43697
PLANT: Waterville, OH; Etowah, TN and Ennis, TX *Chop-Pak, Dura-Glass, Star Rov, Star Stran, Star Tex, Tempstran, Vitron* (mat, chopped strands, sliver, rovings & microfibers)

NICOFIBERS CO.

EXECUTIVE OFFICE: 9702 Ironpoint Road, Shawnee, OH 43782
PLANT: Shawnee, OH *Conformat, Surmat* (continous strand & filament mats)

NITTOBO-SCHWEBEL CORPORATION *

(yarn)

OWENS-CORNING FIBERGLAS CORPORATION

EXECUTIVE OFFICE: Fiberglas Tower, Toledo, OH 43659
REGIONAL SALES: 4 Hutton Centre Drive, Suite 100, Santa Anna, CA 92707
750 Lake Cook Road, Suite 201, Buffalo Grove, IL 60089
15300 West 8 Mile, Oak Park, MI 48237
Bldg. 5601, 77 Center Drive, Suite 240, Charlotte, NC 28210
900 West Valley Road, Suite 1101, Wayne, PA 19087
12750 Merit Drive, Suite 100, Park Central VII, Dallas, TX 75251
PLANT: Huntingdon, PA; Aiken & Anderson, SC and Amarillo, TX *Araton, Beta, Bi-Ply, Creel-Pak, ECRGLAS Type 30, Fiberglas, S-Glass, S-2 Glass* (yarn, roving, woven roving, mat chopped & milled)

PPG INDUSTRIES, INC.

FIBER GLASS PRODUCTS

EXECUTIVE OFFICE: One PPG Place, Pittsburgh, PA 15272
REINFORCEMENT PRODUCTS:
REGIONAL SALES: 23441 South Pointe Drive, Suite 145, Laguna Hills CA 92653.
400 Northridge Road, Suite 110, Atlanta, GA 30350
710 East Ogden Avenue, Suite 215, Naperville, IL 60563
5875 New King Court, P.O. Box 3510, Troy, MI 48007-3510
TEXTILE PRODUCTS: 825 East Majestic Court, Gastonia, NC 28054
2253 South Avenue, Westfield, NJ 07090
PLANT: Lexington & Shelby, NC (yarn, roving, woven roving, mat, chopped & milled, and rubber reinforcement)

SUPERIOR GLASS FIBERS, INC.

EXECUTIVE OFFICE: P.O. Box 89, Bremen, OH 43107
PLANT: Bremen, OH (mat)

VETROTEX CERTAINTEED CORPORATION

EXECUTIVE OFFICE: 750 East Swedesford Road, P.O. Box 860, Valley Forge, PA 19482
REGIONAL SALES: 1801 East Parkcourt Street, Bldg. D., Suite 104, Santa Ana, CA 92701
4131 N.W. 13th Street, Suite 202, Gainesville, FL 32609
45 West 297 Kelly Road, Hampshire, IL 60140
1 City Centre, 120 West 7th, Suite 312, Bloomington, IN 47404
533-A Mur Len Road, Olathe, KS 66062
12 Fox Run Drive, Ashtabula, OH 44004
6221 Rangeview Drive, Dayton, OH 45415
6480 Quarry Lane, Dublin, OH 43537
1720-C Indian Wood Circle, Maumee, OH 43537
1200 East High Street, Suite 204, Pottstown, PA 19464
1524 Reidville Road, Suite 3, Spartanburg, SC 29301
1316 Central Court, Hermitage, TN 37076
5840 West Interstate 20, Suite 165, Arlington, TX 76017
1420 N.W. Gilman Blvd., Suite 2593, Issaquah, WA 98027
PLANT: Wichita Falls, TX *RO99* (roving, woven roving, mat, chopped strand & combination product)

TABLE 2:
APPAREL - MANUFACTURED FIBER, COTTON & WOOL IMPORTS, EXPORTS & BALANCE
MILLION POUNDS/RAW FIBER EQUIVALENT

COMMODITY	1990												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1990	1989
IMPORTS														
TOPS[a]	116.4	100.0	94.2	87.0	97.6	112.0	135.6	132.8	103.1	115.1	86.4	75.9	1256.1	1161.5
BOTTOMS[b]	77.4	79.5	69.0	56.9	67.0	78.8	87.4	73.3	57.3	63.3	54.2	51.2	815.3	810.2
SUITS & COATS[c]	24.5	15.1	11.7	13.9	25.1	36.9	44.9	46.5	33.2	31.3	23.0	17.2	323.3	300.2
SWEATERS[d]	8.7	6.8	6.0	8.1	14.2	21.8	28.1	29.6	23.5	27.2	14.6	5.2	193.8	270.1
OTHER APPAREL[e]	20.5	17.1	17.0	15.2	17.7	17.6	18.4	19.4	18.0	16.4	14.0	13.4	204.7	211.3
TOTAL IMPORTS	**247.5**	**218.5**	**197.9**	**181.1**	**221.6**	**267.1**	**314.4**	**301.6**	**235.1**	**253.3**	**192.2**	**162.9**	**2793.2**	**2753.3**
EXPORTS														
TOPS[a]	13.3	13.6	17.0	15.0	16.6	15.7	14.8	16.9	15.1	18.3	16.4	14.1	186.8	158.9
BOTTOMS[b]	8.4	10.2	12.3	10.8	11.2	13.0	9.3	10.7	12.3	14.0	14.8	11.0	138.0	114.5
SUITS & COATS[c]	2.6	3.0	3.5	3.4	3.3	3.6	3.9	4.1	4.0	4.1	4.6	4.1	44.2	34.5
SWEATERS[d]	0.3	1.2	0.4	0.7	0.7	1.4	0.6	0.5	0.6	0.6	0.3	0.4	7.7	5.5
OTHER APPAREL[e]	5.4	5.5	6.1	5.3	6.0	6.4	5.5	7.0	6.7	7.5	5.9	4.7	72.0	64.0
TOTAL EXPORTS	**30.0**	**33.5**	**39.3**	**35.2**	**37.8**	**40.1**	**34.1**	**39.2**	**38.7**	**44.5**	**42.0**	**34.3**	**448.7**	**377.4**
BALANCE														
TOPS[a]	(103.1)	(86.4)	(77.2)	(72.0)	(81.0)	(96.3)	(120.8)	(115.9)	(88.0)	(96.8)	(70.0)	(61.8)	(1069.3)	(1002.6)
BOTTOMS[b]	(69.0)	(69.3)	(56.7)	(46.1)	(55.8)	(65.8)	(78.1)	(62.6)	(45.1)	(49.3)	(39.4)	(40.2)	(677.4)	(695.7)
SUITS & COATS[c]	(21.9)	(12.1)	(8.2)	(10.5)	(21.8)	(33.3)	(41.0)	(42.4)	(29.2)	(27.2)	(18.4)	(13.1)	(279.1)	(265.7)
SWEATERS[d]	(8.4)	(5.6)	(5.6)	(7.4)	(13.5)	(20.4)	(27.5)	(29.1)	(22.9)	(26.6)	(14.3)	(4.8)	(186.1)	(264.6)
OTHER APPAREL[e]	(15.1)	(11.6)	(10.9)	(9.9)	(11.7)	(11.2)	(12.9)	(12.4)	(11.3)	(8.9)	(8.1)	(8.7)	(132.7)	(147.3)
TOTAL BALANCE	**(217.5)**	**(185.0)**	**(158.6)**	**(145.9)**	**(183.8)**	**(227.0)**	**(280.3)**	**(262.4)**	**(196.5)**	**(208.8)**	**(150.2)**	**(128.6)**	**(2344.6)**	**(2375.9)**

NOTE: Industrial, Home Textiles and Other Manufactured Products will be published at a later date

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Outlook & Situation.***

( ) Trade deficit.

Includes Department of Commerce, OTEXA Categories:

a. Shirts & Blouses 338, 339, 340, 341, 638, 639, 640 & 641; Dresses 336 & 636; Underwear 349, 351, 352, 649, 651, 652 & 650; Infantswear & Playsuits 237, 239 & 439.

b. Skirts 342, 442 & 642; Trousers, Slacks & Shorts 347, 348, 447, 448, 647 & 648; Wool Shirts & Blouses 438 & 440; Wool Dresses 436.

c. Suits 443, 444, 643 & 644; Suit-Type Coats 333, 443 & 633; Coats 334, 335, 353, 354, 434, 435, 634, 635, 653 & 654.

d. Sweaters 345, 445, 446, 645 & 646.

e. Handkerchiefs 330 & 630; Gloves & Mittens 331, 431 & 631; Hosiery 332, 432 & 632; Miscellaneous Apparel 359, 459 & 659.

TABLE 3:
APPAREL - MANUFACTURED FIBER, COTTON & WOOL
IMPORTS, EXPORTS & BALANCE
MILLION POUNDS/RAW FIBER EQUIVALENT

COMMODITY	1991												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
IMPORTS														
TOPS[a]	114.9	100.2	89.1	83.4	90.5	108.3							586.4	607.2
BOTTOMS[b]	73.0	65.2	55.6	51.9	61.0	68.9							375.6	428.6
SUITS & COATS[c]	22.3	16.0	11.5	12.2	21.6	31.1							114.7	127.2
SWEATERS[d]	6.1	3.1	2.7	3.7	10.0	16.1							41.7	65.6
OTHER APPAREL[e]	18.9	19.3	17.5	15.5	17.2	17.3							105.7	105.1
TOTAL IMPORTS	**235.2**	**203.8**	**176.4**	**166.7**	**200.3**	**241.7**							**1224.1**	**1333.7**
EXPORTS														
TOPS[a]	13.3	15.6	18.2	18.6	8.8	11.7							86.2	91.2
BOTTOMS[b]	9.1	11.7	11.9	12.4	10.4	11.7							67.2	65.9
SUITS & COATS[c]	3.2	3.1	3.7	3.7	1.0	1.5							16.2	19.4
SWEATERS[d]	0.3	0.3	0.3	0.6	0	0							1.5	4.7
OTHER APPAREL[e]	4.3	4.5	5.2	5.4	1.7	0.8							21.9	34.7
TOTAL EXPORTS	**30.2**	**35.2**	**39.3**	**40.7**	**21.9**	**25.7**							**193.0**	**215.9**
BALANCE														
TOPS[a]	(101.6)	(84.6)	(70.9)	(64.8)	(81.7)	(96.6)							(500.2)	(516.0)
BOTTOMS[b]	(63.9)	(53.5)	(43.7)	(39.5)	(50.6)	(57.2)							(308.4)	(362.7)
SUITS & COATS[c]	(19.1)	(12.9)	(7.8)	(8.5)	(20.6)	(29.6)							(98.5)	(107.8)
SWEATERS[d]	(5.8)	(2.8)	(2.4)	(3.1)	(10.0)	(16.1)							(40.2)	(60.9)
OTHER APPAREL[e]	(14.6)	(14.8)	(12.3)	(10.1)	(15.5)	(16.5)							(83.8)	(70.4)
TOTAL BALANCE	**(205.0)**	**(168.6)**	**(137.1)**	**(126.0)**	**(178.4)**	**(216.0)**							**(1031.1)**	**(1117.8)**

NOTE: Industrial, Home Textiles and Other Manufactured Products will be published at a later date.

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Outlook & Situation.***

( ) Trade deficit.

Includes Department of Commerce, OTEXA Categories:

a. Shirts & Blouses 338, 339, 340, 341, 638, 639, 640 & 641; Dresses 336 & 636; Underwear 349, 351, 352, 649, 651, 652 & 650; Infantswear & Playsuits 237, 239 & 439.

b. Skirts 342, 442 & 642; Trousers, Slacks & Shorts 347, 348, 447, 448, 647 & 648; Wool Shirts & Blouses 438 & 440; Wool Dresses 436.

c. Suits 443, 444, 643 & 644; Suit-Type Coats 333, 443 & 633; Coats 334, 335, 353, 354, 434, 435, 634, 635, 653 & 654.

d. Sweaters 345, 445, 446, 645 & 646.

e. Handkerchiefs 330 & 630; Gloves & Mittens 331, 431 & 631; Hosiery 332, 432 & 632; Miscellaneous Apparel 359, 459 & 659.

TABLE 4:
APPAREL - MANUFACTURED FIBER IMPORTS, EXPORTS & BALANCE
MILLION POUNDS/RAW FIBER EQUIVALENT

COMMODITY	1990												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1990	1989
IMPORTS														
TOPS[a]	47.4	39.8	38.2	34.5	41.3	47.5	57.9	56.8	45.0	48.3	34.8	30.2	521.7	501.7
BOTTOMS[b]	27.5	25.9	22.3	18.3	22.2	24.8	28.0	25.0	20.3	22.5	18.9	18.3	274.0	272.1
SUITS & COATS[c]	14.3	8.5	7.0	8.8	15.5	20.5	25.5	26.3	19.2	18.9	13.3	10.5	188.3	166.1
SWEATERS[d]	2.7	3.3	3.8	4.6	7.5	11.8	14.8	14.6	11.6	10.7	4.6	0.9	90.9	150.0
OTHER APPAREL[e]	7.9	6.9	6.5	6.4	8.4	8.1	8.9	10.2	9.2	7.3	5.4	5.5	90.7	94.2
TOTAL IMPORTS	**99.8**	**84.4**	**77.8**	**72.6**	**94.9**	**112.7**	**135.1**	**132.9**	**105.3**	**107.7**	**77.0**	**65.4**	**1165.6**	**1184.1**
EXPORTS														
TOPS[a]	5.4	5.7	7.2	6.1	7.2	7.1	6.1	7.2	6.1	7.4	6.5	5.2	77.2	73.6
BOTTOMS[b]	1.7	1.9	2.5	2.0	2.0	3.0	1.7	2.0	2.2	2.4	2.4	2.0	25.8	27.0
SUITS & COATS[c]	1.3	1.5	1.7	1.5	1.6	1.7	2.0	1.9	2.0	2.3	2.6	2.4	22.5	18.4
SWEATERS[d]	0.1	0.4	0.1	0.3	0.2	0.5	0.2	0.2	0.2	0.2	0.1	0.1	2.6	1.7
OTHER APPAREL[e]	2.6	2.7	3.1	2.6	2.9	3.0	3.1	3.6	3.4	3.9	2.9	1.9	35.7	31.9
TOTAL EXPORTS	**11.1**	**12.2**	**14.6**	**12.5**	**13.9**	**15.3**	**13.1**	**14.9**	**13.9**	**16.2**	**14.5**	**11.6**	**163.8**	**152.6**
BALANCE														
TOPS[a]	(42.0)	(34.1)	(31.0)	(28.4)	(34.1)	(40.4)	(51.8)	(49.6)	(38.9)	(40.9)	(28.3)	(25.0)	(444.5)	(428.1)
BOTTOMS[b]	(25.8)	(24.0)	(19.8)	(16.3)	(20.2)	(21.8)	(26.3)	(23.0)	(18.1)	(20.1)	(16.5)	(16.3)	(248.2)	(254.1)
SUITS & COATS[c]	(13.0)	(7.0)	(5.3)	(7.3)	(13.9)	(18.8)	(23.5)	(24.4)	(17.2)	(16.6)	(10.7)	(8.1)	(165.8)	(147.7)
SWEATERS[d]	(2.6)	(2.9)	(3.7)	(4.3)	(7.3)	(11.3)	(14.6)	(14.4)	(11.4)	(10.5)	(4.5)	(0.8)	(88.3)	(148.3)
OTHER APPAREL[e]	(5.3)	(4.2)	(3.4)	(3.8)	(5.5)	(5.1)	(5.8)	(6.6)	(5.8)	(3.4)	(2.5)	(3.6)	(55.0)	(62.3)
TOTAL BALANCE	**(88.7)**	**(72.2)**	**(63.2)**	**(60.1)**	**(81.0)**	**(97.4)**	**(122.0)**	**(118.0)**	**(91.4)**	**(91.5)**	**(62.5)**	**(53.8)**	**(1001.8)**	**(1031.5)**

NOTE: Industrial, Home Textiles and Other Manufactured Products will be published at a later date.

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Outlook & Situation.***

( ) Trade deficit.

Includes Department of Commerce, OTEXA Categories:

a. Shirts & Blouses 638, 639, 640 & 641; Dresses 636; Underwear 649, 651, 652 & 650; Infantswear & Playsuits 237 & 239.

b. Skirts 642; Trousers, Slacks & Shorts 647 & 648.

c. Suits 643 & 644; Suit-Type Coats 633; Coats 634, 635, 653 & 654.

d. Sweaters 645 & 646.

e. Handkerchiefs 630; Gloves & Mittens 631; Hosiery 632; Miscellaneous Apparel 659.

TABLE 5:
APPAREL - MANUFACTURED FIBER IMPORTS, EXPORTS & BALANCE
MILLION POUNDS/RAW FIBER EQUIVALENT

COMMODITY	1991												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
IMPORTS														
TOPS[a]	44.7	39.7	34.9	33.4	37.6	42.7							233.0	248.7
BOTTOMS[b]	27.8	23.7	19.6	17.8	20.3	22.3							131.5	141.0
SUITS & COATS[c]	13.3	9.5	7.3	8.0	13.6	18.9							70.6	74.6
SWEATERS[d]	1.4	0.8	0.9	1.7	4.6	7.4							16.8	33.7
OTHER APPAREL[e]	7.0	7.5	7.3	6.3	7.4	7.1							42.6	44.2
TOTAL IMPORTS	**94.2**	**81.2**	**70.0**	**67.2**	**83.5**	**98.4**							**494.5**	**542.2**
EXPORTS														
TOPS[a]	5.4	5.8	6.9	7.3	2.8	4.6							32.8	38.7
BOTTOMS[b]	1.5	1.9	2.1	2.2	0.3	0.4							8.4	13.1
SUITS & COATS[c]	1.6	1.6	1.9	1.9	0.2	0.3							7.5	9.3
SWEATERS[d]	0.1	0.1	0.1	0.3	+	+							0.6	1.6
OTHER APPAREL[e]	2.1	2.3	2.5	2.5	0.6	0.6							10.6	16.9
TOTAL EXPORTS	**10.7**	**11.7**	**13.5**	**14.2**	**3.9**	**5.9**							**59.9**	**79.6**
BALANCE														
TOPS[a]	(39.3)	(33.9)	(28.0)	(26.1)	(34.8)	(38.1)							(200.2)	(210.0)
BOTTOMS[b]	(26.3)	(21.8)	(17.5)	(15.6)	(20.0)	(21.9)							(123.1)	(127.9)
SUITS & COATS[c]	(11.7)	(7.9)	(5.4)	(6.1)	(13.4)	(18.6)							(63.1)	(65.3)
SWEATERS[d]	(1.3)	(0.7)	(0.8)	(1.4)	(4.6)	(7.4)							(16.2)	(32.1)
OTHER APPAREL[e]	(4.9)	(5.2)	(4.8)	(3.8)	(6.8)	(6.5)							(32.0)	(27.3)
TOTAL BALANCE	**(83.5)**	**(69.5)**	**(56.5)**	**(53.0)**	**(79.6)**	**(92.5)**							**(434.6)**	**(462.6)**

NOTE: Industrial, Home Textiles and Other Manufactured Products will be published at a later date

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Outlook & Situation.***

( ) Trade deficit.

Includes Department of Commerce, OTEXA Categories:

a. Shirts & Blouses 638, 639, 640 & 641; Dresses 636; Underwear 649, 651, 652 & 650; Infantswear & Playsuits 237 & 239.

b. Skirts 642; Trousers, Slacks & Shorts 647 & 648.

c. Suits 643 & 644; Suit-Type Coats 633; Coats 634, 635, 653 & 654.

d. Sweaters 645 & 646.

e. Handkerchiefs 630; Gloves & Mittens 631; Hosiery 632; Miscellaneous Apparel 659.

TABLE 6:
APPAREL - COTTON
IMPORTS, EXPORTS & BALANCE
MILLION POUNDS/RAW FIBER EQUIVALENT

COMMODITY	1990												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1990	1989
IMPORTS														
TOPS[a]	66.4	58.2	54.0	50.5	53.5	60.9	73.1	71.3	54.5	63.0	49.3	43.8	698.5	628.1
BOTTOMS[b]	48.7	52.7	46.0	37.7	43.1	51.8	55.8	44.8	34.4	38.7	34.2	32.1	520.0	515.7
SUITS & COATS[c]	9.1	5.8	3.8	4.2	8.3	13.8	15.3	16.2	10.4	9.5	8.2	5.6	110.2	108.1
SWEATERS[d]	4.9	2.7	1.4	2.3	4.4	6.4	7.9	8.5	7.0	11.4	8.0	3.7	68.6	71.8
OTHER APPAREL[e]	12.4	10.0	10.3	8.6	8.9	9.0	8.8	8.5	8.2	8.6	8.3	7.7	109.3	110.8
TOTAL IMPORTS	**141.5**	**129.4**	**115.5**	**103.3**	**118.2**	**141.9**	**160.9**	**149.3**	**114.5**	**131.2**	**108.0**	**92.9**	**1506.6**	**1434.5**
EXPORTS														
TOPS[a]	7.7	7.8	9.7	8.8	9.3	8.5	8.7	9.6	8.9	10.8	9.9	8.9	108.6	85.0
BOTTOMS[b]	6.4	8.0	9.4	8.4	8.4	9.4	6.8	8.1	9.3	11.0	12.0	8.6	105.8	82.5
SUITS & COATS[c]	0.8	0.8	1.1	0.9	1.0	1.0	1.2	1.3	1.3	1.2	1.5	1.2	13.3	9.6
SWEATERS[d]	0.1	0.4	0.2	0.2	0.2	0.4	0.2	0.2	0.2	0.2	0.1	0.2	2.6	2.0
OTHER APPAREL[e]	2.7	2.6	2.8	2.6	2.9	3.2	2.2	3.1	3.0	3.3	2.8	2.7	33.9	30.2
TOTAL EXPORTS	**17.7**	**19.6**	**23.2**	**20.9**	**21.8**	**22.5**	**19.1**	**22.3**	**22.7**	**26.5**	**26.3**	**21.6**	**264.2**	**209.3**
BALANCE														
TOPS[a]	(58.7)	(50.4)	(44.3)	(41.7)	(44.2)	(52.4)	(64.4)	(61.7)	(45.6)	(52.2)	(39.4)	(34.9)	(589.9)	(543.1)
BOTTOMS[b]	(42.3)	(44.7)	(36.6)	(29.3)	(34.7)	(42.4)	(49.0)	(36.7)	(25.2)	(27.7)	(22.2)	(23.5)	(414.3)	(433.2)
SUITS & COATS[c]	(8.3)	(5.0)	(2.7)	(3.3)	(7.3)	(12.8)	(14.1)	(14.9)	(9.1)	(8.3)	(6.7)	(4.4)	(96.9)	(98.5)
SWEATERS[d]	(4.8)	(2.3)	(1.2)	(2.1)	(4.2)	(6.0)	(7.7)	(8.3)	(6.8)	(11.2)	(7.9)	(3.5)	(66.0)	(69.8)
OTHER APPAREL[e]	(9.7)	(7.4)	(7.5)	(6.0)	(6.0)	(5.8)	(6.6)	(5.4)	(5.2)	(5.3)	(5.5)	(5.0)	(75.4)	(80.6)
TOTAL BALANCE	**(123.8)**	**(109.8)**	**(92.3)**	**(82.4)**	**(96.4)**	**(119.4)**	**(141.8)**	**(127.0)**	**(91.9)**	**(104.7)**	**(81.7)**	**(71.3)**	**(1242.5)**	**(1225.2)**

NOTE: Industrial, Home Textiles and Other Manufactured Products will be published at a later date

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Outlook & Situation.***

( ) Trade deficit

Includes Department of Commerce, OTEXA Categories:

a. Shirts & Blouses 338, 339, 340 & 341; Dresses 336; Underwear 349, 351 & 352

b. Skirts 342; Trousers, Slacks & Shorts 347 & 348

c. Suit-Type Coats 333; Coats 334, 335, 353 & 354

d. Sweaters 345

e. Handkerchiefs 330; Gloves & Mittens 331; Hosiery 332; Miscellaneous Apparel 359

TABLE 7:
APPAREL - COTTON
IMPORTS, EXPORTS & BALANCE
MILLION POUNDS/RAW FIBER EQUIVALENT

COMMODITY	1991												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
IMPORTS														
TOPS[a]	67.4	58.1	52.3	47.9	52.3	62.4							340.4	343.5
BOTTOMS[b]	43.9	40.4	35.1	33.3	39.4	44.5							236.6	280.0
SUITS & COATS[c]	7.9	5.5	3.2	3.3	6.4	9.4							35.7	45.0
SWEATERS[d]	4.1	2.1	1.5	1.5	4.0	6.4							19.6	22.1
OTHER APPAREL[e]	11.7	11.5	10.0	9.0	9.5	9.8							61.5	59.2
TOTAL IMPORTS	**135.0**	**117.6**	**102.1**	**95.0**	**111.6**	**132.5**							**693.8**	**749.8**
EXPORTS														
TOPS[a]	7.9	9.7	11.2	11.2	6.0	7.1							53.1	51.8
BOTTOMS[b]	7.3	9.5	9.4	9.7	10.1	11.3							57.3	50.0
SUITS & COATS[c]	1.2	1.0	1.2	1.0	0.4	0.5							5.3	5.6
SWEATERS[d]	0.1	0.1	0.1	0.1	+	+							0.4	1.5
OTHER APPAREL[e]	2.0	2.0	2.5	2.7	1.0	0.1							10.3	16.8
TOTAL EXPORTS	**18.5**	**22.3**	**24.4**	**24.7**	**17.5**	**19.0**							**126.4**	**125.7**
BALANCE														
TOPS[a]	(59.5)	(48.4)	(41.1)	(36.7)	(46.3)	(55.3)							(287.3)	(291.7)
BOTTOMS[b]	(36.6)	(30.9)	(25.7)	(23.6)	(29.3)	(33.2)							(179.3)	(230.0)
SUITS & COATS[c]	(6.7)	(4.5)	(2.0)	(2.3)	(6.0)	(8.9)							(30.4)	(39.4)
SWEATERS[d]	(4.0)	(2.0)	(1.4)	(1.4)	(4.0)	(6.4)							(19.2)	(20.6)
OTHER APPAREL[e]	(9.7)	(9.5)	(7.5)	(6.3)	(8.5)	(9.7)							(51.2)	(42.4)
TOTAL BALANCE	**(116.5)**	**(95.3)**	**(77.7)**	**(70.3)**	**(94.1)**	**(113.5)**							**(567.4)**	**(624.1)**

NOTE: Industrial, Home Textiles and Other Manufactured Products will be published at a later date

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Outlook & Situation.***

( ) Trade deficit

Includes Department of Commerce, OTEXA Categories:

a. Shirts & Blouses 338, 339, 340 & 341; Dresses 336; Underwear 349, 351 & 352

b. Skirts 342; Trousers, Slacks & Shorts 347 & 348

c. Suit-Type Coats 333; Coats 334, 335, 353 & 354

d. Sweaters 345

e. Handkerchiefs 330; Gloves & Mittens 331; Hosiery 332; Miscellaneous Apparel 359

TABLE 8:
APPAREL - WOOL
IMPORTS, EXPORTS & BALANCE
MILLION POUNDS/RAW FIBER EQUIVALENT

COMMODITY	1990												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1990	1989
IMPORTS														
TOPS[a]	2.6	2.0	2.0	2.0	2.8	3.6	4.6	4.7	3.6	3.8	2.3	1.9	35.9	31.7
BOTTOMS[b]	1.2	0.9	0.7	0.9	1.7	2.2	3.6	3.5	2.6	2.1	1.1	0.8	21.3	22.4
SUITS & COATS[c]	1.1	0.8	0.9	0.9	1.3	2.6	4.1	4.0	3.6	2.9	1.5	1.1	24.8	26.0
SWEATERS[d]	1.1	0.8	0.8	1.2	2.3	3.6	5.4	6.5	4.9	5.1	2.0	0.6	34.3	48.3
OTHER APPAREL[e]	0.2	0.2	0.2	0.2	0.4	0.5	0.7	0.7	0.6	0.5	0.3	0.2	4.7	6.3
TOTAL IMPORTS	**6.2**	**4.7**	**4.6**	**5.2**	**8.5**	**12.5**	**18.4**	**19.4**	**15.3**	**14.4**	**7.2**	**4.6**	**121.0**	**134.7**
EXPORTS														
TOPS[a]	0.2	0.1	0.1	0.1	0.1	0.1	+	0.1	0.1	0.1	+	+	1.0	0.3
BOTTOMS[b]	0.3	0.3	0.4	0.4	0.8	0.6	0.8	0.6	0.8	0.6	0.4	0.4	6.4	5.0
SUITS & COATS[c]	0.5	0.7	0.7	1.0	0.7	0.9	0.7	0.9	0.7	0.6	0.5	0.5	8.4	6.5
SWEATERS[d]	0.1	0.4	0.1	0.2	0.3	0.5	0.2	0.1	0.2	0.2	0.1	0.1	2.5	1.8
OTHER APPAREL[e]	0.1	0.2	0.2	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.1	2.4	1.9
TOTAL EXPORTS	**1.2**	**1.7**	**1.5**	**1.8**	**2.1**	**2.3**	**1.9**	**2.0**	**2.1**	**1.8**	**1.2**	**1.1**	**20.7**	**15.5**
BALANCE														
TOPS[a]	(2.4)	(1.9)	(1.9)	(1.9)	(2.7)	(3.5)	(4.6)	(4.6)	(3.5)	(3.7)	(2.3)	(1.9)	(34.9)	(31.4)
BOTTOMS[b]	(0.9)	(0.6)	(0.3)	(0.5)	(0.9)	(1.6)	(2.8)	(2.9)	(1.8)	(1.5)	(0.7)	(0.4)	(14.9)	(17.4)
SUITS & COATS[c]	(0.6)	(0.1)	(0.2)	0.1	(0.6)	(1.7)	(3.4)	(3.1)	(2.9)	(2.3)	(1.0)	(0.6)	(16.4)	(19.5)
SWEATERS[d]	(1.0)	(0.4)	(0.7)	(1.0)	(2.0)	(3.1)	(5.2)	(6.4)	(4.7)	(4.9)	(1.9)	(0.5)	(31.8)	(46.5)
OTHER APPAREL[e]	(0.1)	0	0	(0.1)	(0.2)	(0.3)	(0.5)	(0.4)	(0.3)	(0.2)	(0.1)	(0.1)	(2.3)	(4.4)
TOTAL BALANCE	**(5.0)**	**(3.0)**	**(3.1)**	**(3.4)**	**(6.4)**	**(10.2)**	**(16.5)**	**(17.4)**	**(13.2)**	**(12.6)**	**(6.0)**	**(3.5)**	**(100.3)**	**(119.2)**

NOTE: Industrial, Home Textiles and Other Manufactured Products will be published at a later date.

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Outlook & Situation.***

( ) Trade deficit.

Includes Department of Commerce, OTEXA Categories:

a. Infantswear & Playsuits 439.

b. Skirts 442; Trousers, Slacks & Shorts 447 & 448; Wool Shirts & Blouses 438 & 440; Wool Dresses 436.

c. Suits 443 & 444; Suit-Type Coats 433; Coats 434 & 435.

d. Sweaters 445 & 446.

e. Gloves & Mittens 431; Hosiery 432; Miscellaneous Apparel 459.

TABLE 9:
APPAREL - WOOL
IMPORTS, EXPORTS & BALANCE
MILLION POUNDS/RAW FIBER EQUIVALENT

COMMODITY	1991												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
IMPORTS														
TOPS[a]	2.8	2.4	1.9	2.1	0.6	3.2							13.0	15.0
BOTTOMS[b]	1.3	1.1	0.9	0.8	1.3	2.1							7.5	7.6
SUITS & COATS[c]	1.1	1.0	1.0	0.9	1.6	2.8							8.4	7.6
SWEATERS[d]	0.6	0.2	0.3	0.5	1.4	2.3							5.3	9.8
OTHER APPAREL[e]	0.2	0.3	0.2	0.2	0.3	0.4							1.6	1.7
TOTAL IMPORTS	**6.0**	**5.0**	**4.3**	**4.5**	**5.2**	**10.8**							**35.8**	**41.7**
EXPORTS														
TOPS[a]	+	0.1	0.1	0.1	+	+							0.3	0.7
BOTTOMS[b]	0.3	0.3	0.4	0.5	+	+							1.5	2.8
SUITS & COATS[c]	0.4	0.5	0.6	0.8	0.4	0.7							3.4	4.5
SWEATERS[d]	0.1	0.1	0.1	0.2	0	0							0.5	1.6
OTHER APPAREL[e]	0.2	0.2	0.2	0.2	0.1	0.1							1.0	1.0
TOTAL EXPORTS	**1.0**	**1.2**	**1.4**	**1.8**	**0.5**	**0.8**							**6.7**	**10.6**
BALANCE														
TOPS[a]	(2.8)	(2.3)	(1.8)	(2.0)	(0.6)	(3.2)							(12.7)	(14.3)
BOTTOMS[b]	(1.0)	(0.8)	(0.5)	(0.3)	(1.3)	(2.1)							(6.0)	(4.8)
SUITS & COATS[c]	(0.7)	(0.5)	(0.4)	(0.1)	(1.2)	(2.1)							(5.0)	(3.1)
SWEATERS[d]	(0.5)	(0.1)	(0.2)	(0.3)	(1.4)	(2.3)							(4.8)	(8.2)
OTHER APPAREL[e]	0	(0.1)	0	0	(0.2)	(0.3)							(0.6)	(0.7)
TOTAL BALANCE	**(5.0)**	**(3.8)**	**(2.9)**	**(2.7)**	**(4.7)**	**(10.0)**							**(29.1)**	**(31.1)**

NOTE: Industrial, Home Textiles and Other Manufactured Products will be published at a later date.

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Outlook & Situation.***

( ) Trade deficit.

Includes Department of Commerce, OTEXA Categories:

a. Infantswear & Playsuits 439.

b. Skirts 442; Trousers, Slacks & Shorts 447 & 448; Wool Shirts & Blouses 438 & 440; Wool Dresses 436.

c. Suits 443 & 444; Suit-Type Coats 433; Coats 434 & 435.

d. Sweaters 445 & 446.

e. Gloves & Mittens 431; Hosiery 432; Miscellaneous Apparel 459.

TABLE 10:
LOCATION OF AMERICAN FIBER PRODUCT-MANUFACTURING PLANTS

STATES & AREA	ARTIFICIAL (CELLULOSIC)[a]	SYNTHETIC (NONCELLULOSIC)						GLASS FIBER	GRAND TOTAL
		ACRYLIC[b]	NYLON[c]	OLEFIN	POLYESTER	OTHER[d]	TOTAL		
NEW ENGLAND									
CONNECTICUT				1			1		1
MAINE				1	1		2		2
MASSACHUSETTS				4	1	1	6		6
NEW HAMPSHIRE				1	1		2		2
RHODE ISLAND				2			2		2
VERMONT			1		1		2		2
TOTAL NEW ENGLAND			**1**	**9**	**4**	**1**	**15**		**15**
MID-ATLANTIC									
DELAWARE			1				1		1
MARYLAND			1	1	1	2	5		5
NEW JERSEY				1	1		2		2
NEW YORK			1	2	1	1	5	1	6
PENNSYLVANIA					1		1	1	2
TOTAL MID-ATLANTIC			**3**	**4**	**4**	**3**	**14**	**2**	**16**
PIEDMONT									
N. CAROLINA			3	12	9	2	26	2	28
S. CAROLINA	1		10	10	10	3	33	3	37
VIRGINIA	1	1	6	6	3	2	18		19
WEST VIRGINIA			1		2		3		3
TOTAL PIEDMONT	**2**	**1**	**20**	**28**	**24**	**7**	**80**	**5**	**87**
SOUTH									
ALABAMA	1	1	3	5	1		10		11
FLORIDA		1	2	2			5	1	6
GEORGIA			2	28	2		32		32
LOUISIANA				2			2		2
MISSISSIPPI				2			2		2
TENNESSEE	3		2	4	4		10	2	15
TEXAS								3	3
TOTAL SOUTH	**4**	**2**	**9**	**43**	**7**		**61**	**6**	**71**
MIDWEST & WEST									
CALIFORNIA				2			2		2
IOWA			1	1			2		2
KANSAS				1			1		1
MICHIGAN				1			1		1
MINNESOTA				1			1		1
OHIO				1			1	3	4
OREGON				1			1		1
UTAH				2			2		2
WASHINGTON				1			1		1
WISCONSIN				1			1		1
TOTAL MIDWEST & WEST			**1**	**12**			**13**	**3**	**16**
TOTAL NUMBER OF PLANTS	**6**	**3**	**34**	**96**	**39**	**11**	**183**	**16**	**205**
TOTAL NUMBER OF STATES	**4**	**3**	**13**	**27**	**15**	**6**	**31**	**9**	**32**

a. Artificial (Cellulosic) includes rayon, acetate and triacetate.
b. Acrylic includes modacrylic.
c. Nylon includes 1 aramid.
d. Other includes 1 fluorocarbon, 1 PBI, 2 PEEK, 1 polycarbonate, 2 PPS, 3 spandex and 1 sulfar.

TABLE 11:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1991												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	123	0	38	114	80	117	151	74	69				766	539
BELGIUM	3	21	4	41	6	9	19	111	281				495	20
BRAZIL	109	164	28	109	27	27	23	28	18				533	718
CANADA	775	408	877	1147	905	740	633	730	1165				7380	3868
CHILE	44	22	44	0	44	66	110	88	110				528	993
WEST GERMANY	478	633	531	493	686	421	448	810	809				5309	5884
JAPAN	111	134	114	119	142	108	177	82	287				1274	934
MEXICO	150	39	118	41	79	64	136	205	109				941	878
NETHERLANDS	263	188	279	218	129	277	191	196	110				1851	2764
UNITED KINGDOM	86	0	0	35	109	38	183	262	230				943	351
ALL OTHER COUNTRIES [a]	15	35	29	2	0	26	8	26	2				143	968
TOTAL ARTIFICIAL YARN	**2157**	**1644**	**2062**	**2319**	**2207**	**1893**	**2079**	**2612**	**3190**				**20163**	**17917**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	1339	1371	1214	396	1672	1470	1377	2002	2981				13822	11138
CANADA	3228	2840	3042	1843	1824	3870	3587	4086	3382				27702	37104
CHINA, PRC	321	0	251	211	760	0	0	149	0				1692	351
FINLAND	309	197	371	143	167	459	491	391	379				2907	3695
WEST GERMANY	515	46	0	0	0	0	262	81	0				904	3342
JAPAN	84	227	95	95	95	109	62	79	40				886	1422
TAIWAN	1336	1268	1186	1721	1148	1773	813	176	416				9837	11110
THAILAND	763	1317	232	296	513	231	220	0	0				3572	1746
UNITED KINGDOM	815	438	473	128	70	21	332	128	236				2641	3439
YUGOSLAVIA	584	29	2559	636	81	239	729	84	39				4980	919
ALL OTHER COUNTRIES [b]	223	206	0	122	119	81	590	120	108				1569	3871
TOTAL ARTIFICIAL STAPLE+TOW	**9517**	**7939**	**9423**	**5591**	**6449**	**8253**	**8463**	**7296**	**7581**				**70512**	**78137**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	239	40	100	143	33	57	33	19	0				664	5569
BRAZIL	0	0	0	48	0	35	0	0	0				83	647
CANADA	2668	3903	3431	4073	5854	4970	5217	5412	4778				40306	36788
COSTA RICA	725	454	473	544	669	469	512	665	577				5088	4673
ECUADOR	0	34	34	15	0	0	0	0	0				83	448
FRANCE	627	705	668	841	962	1212	450	900	510				6875	9883
WEST GERMANY	1556	1449	1843	1576	1857	2178	2093	2337	1589				16478	17119
IRELAND	147	215	119	34	193	285	129	239	266				1627	309
ISRAEL	50	179	110	74	146	136	223	176	294				1388	0
ITALY	106	109	29	38	75	73	116	107	47				700	5283
JAPAN	853	903	1401	1266	1190	894	1522	1605	932				10566	4905
KOREA, REP. OF	117	59	149	5	146	45	119	139	66				845	421
MEXICO	1414	1663	1343	1620	1438	1066	1028	996	1384				11952	14048
NETHERLANDS	223	258	329	284	305	416	359	367	287				2828	2493
TAIWAN	89	91	45	132	184	184	122	132	166				1145	4782
THAILAND	61	67	65	95	129	63	81	66	74				701	735
UNITED KINGDOM	1740	1370	2596	1637	1678	1695	2578	2287	2275				17856	12962
ALL OTHER COUNTRIES [c]	75	82	58	222	104	501	630	462	404				2538	1742
TOTAL SYNTHETIC YARN	**10690**	**11581**	**12793**	**12647**	**14963**	**14279**	**15212**	**15909**	**13649**				**121723**	**122807**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	15	25	0	12	1	3	0	1	12				69	345
AUSTRALIA	75	143	0	81	60	8	47	0	45				459	745
BRAZIL	0	110	199	87	86	0	123	52	0				657	2316
CANADA	1378	1146	968	1942	2184	2466	2427	1699	2993				17203	21283
FRANCE	544	417	282	421	382	323	471	417	435				3692	4172
WEST GERMANY	1136	1400	1732	1931	1558	1881	1902	2022	1794				15356	10449
INDIA	3008	3879	264	0	1166	646	152	144	333				9612	13690
IRELAND	0	0	0	0	357	328	660	208	366				1919	429
ITALY	176	47	80	53	203	11	48	175	28				821	2115
JAPAN	2386	2197	2080	1840	2110	2337	2270	2143	2080				19443	16866
KOREA, REP. OF	4958	6473	6864	5486	7279	6700	6126	6620	3456				53962	29883
MALAYSIA	0	95	0	48	48	44	44	44	0				323	184
MEXICO	1957	1575	1576	2743	2130	1364	2809	2304	971				17429	18248
SPAIN	14	22	0	20	29	7	154	82	37				365	258
SWITZERLAND	117	285	152	127	183	363	364	370	372				2333	1883
TAIWAN	3102	1918	1891	3664	3181	2923	2864	4005	3625				27173	10757
TURKEY	0	0	2	111	0	151	65	37	0				366	668
UNITED KINGDOM	1848	1395	963	1630	1359	1064	1017	1406	956				11638	16006
ALL OTHER COUNTRIES [d]	137	87	29	170	77	213	580	394	140				1827	2115
TOTAL SYNTHETIC STAPLE+TOW	**20851**	**21214**	**17082**	**20366**	**22413**	**20832**	**22123**	**22123**	**17643**				**184647**	**152412**

a. India 103, France 15, Italy 14, Spain 7, Taiwan 4.

b. Sweden 765, Poland 220, Turkey 219, Romania 167, Belgium 45, Spain 44, Syria 44, Netherlands 38, USSR 18, Brazil 3, France 3, Italy 3.

c. Turkey 1299, Australia 186, Czechoslovakia 167, Portugal 160, Sweden 116, Austria 115, Switzerland 91, Peru 83, Singapore 69, Venezuela 60, Honduras 39, Colombia 38, Hong Kong 31, El Salvador 25, China, PRC 23, Morocco 17, Denmark 6, Greece 5, Argentina 3, Finland 2, Spain 2, India 1.

d. Denmark 1006, Israel 422, Netherlands 95, Romania 85, Hungary 63, Thailand 49, Hong Kong 44, Czechoslovakia 34, Belgium 16, China, PRC 5, Colombia 4, Ecuador 3, USSR 1.

TABLE 12:
U.S. MANUFACTURED FIBER IMPORTS[a]
THOUSAND POUNDS

ITEM	1991												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	311	129	212	316	231	83	77	311	298				1968	1908
TEXTURED	0	0	0	0	0	0	5	0	0				5	355
OTHER	1845	1514	1847	1999	1975	1809	1996	2300	2888				18173	15087
MONOFILAMENTS & STRIPS	1	1	3	4	1	1	1	1	4				17	567
SUBTOTAL ABOVE	**2157**	**1644**	**2062**	**2319**	**2207**	**1893**	**2079**	**2612**	**3190**				**20163**	**17917**
STAPLE	8891	7889	9419	5533	6391	8250	8359	7269	7549				69550	74619
TOW	626	50	4	58	58	3	104	27	32				962	3512
TOPS	0	0	0	0	0	0	0	0	0				0	6
SUBTOTAL ABOVE	**9517**	**7939**	**9423**	**5591**	**6449**	**8253**	**8463**	**7296**	**7581**				**70512**	**78137**
WASTE	**87**	**129**	**0**	**695**	**177**	**275**	**321**	**89**	**128**				**1901**	**339**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	1173	2391	1704	2541	1923	1751	1450	1330	940				15203	11064
TEXTURED														
UP TO 450 DENIER	198	350	232	285	478	302	535	336	377				3093	2829
OVER 450 DENIER	1197	1786	1557	1069	3421	3870	3037	3336	2638				21911	25333
POY	2103	1563	3032	1981	2240	2740	2969	2577	2270				21475	5278
OTHER	834	780	821	1828	1718	1726	2312	2544	2460				15023	21417
MONOFILAMENTS & STRIPS	150	72	131	131	139	51	172	111	117				1074	1300
SUBTOTAL ABOVE	**5655**	**6942**	**7477**	**7835**	**9919**	**10440**	**10475**	**10234**	**8802**				**77779**	**67221**
POLYESTER														
HIGH TENACITY	785	708	651	621	671	339	340	598	563				5276	4588
TEXTURED	833	810	561	622	642	455	383	476	684				5466	8337
POY	207	172	201	246	406	300	238	240	334				2344	3853
OTHER	1548	1439	2102	1371	1486	1064	1490	1943	1634				14077	14331
MONOFILAMENTS & STRIPS	41	31	30	68	31	73	141	58	52				525	486
SUBTOTAL ABOVE	**3414**	**3160**	**3545**	**2928**	**3236**	**2231**	**2592**	**3315**	**3267**				**27688**	**31595**
OTHER SYNTHETIC FILAMENT														
TEXTURED	248	105	164	174	107	103	194	132	84				1311	16596
OTHER	841	804	1233	1149	1260	870	1261	1372	859				9649	2609
MONOFILAMENTS & STRIPS	532	570	374	561	441	635	690	856	637				5296	5086
SUBTOTAL ABOVE	**1621**	**1479**	**1771**	**1884**	**1808**	**1608**	**2145**	**2360**	**1580**				**16256**	**24291**
STAPLE														
NYLON	1879	1788	1576	2330	2039	2057	2881	2247	2973				19770	28202
POLYESTER	14049	15468	11687	12879	15989	14655	14125	14868	10860				124580	84547
ACRYLIC	853	804	971	1640	1303	1403	1364	1098	1438				10874	12885
POLYPROPYLENE	134	305	363	271	156	464	1093	782	93				3661	1308
OTHER	276	229	400	211	308	204	248	285	302				2463	2198
TOW														
NYLON	591	386	240	543	533	325	564	567	545				4294	4063
POLYESTER	35	272	35	150	46	132	10	107	35				822	778
ACRYLIC	2869	1898	1768	2227	1957	1438	1649	2058	1108				16972	16211
OTHER	16	59	0	0	10	0	0	45	0				130	423
TOPS	149	5	42	115	72	154	189	66	289				1081	1797
SUBTOTAL ABOVE	**20851**	**21214**	**17082**	**20366**	**22413**	**20832**	**22123**	**22123**	**17643**				**184647**	**152412**
WASTE														
NYLON	2030	1483	1648	1319	1611	1555	1931	2153	1788				15518	16650
POLYESTER	2217	1032	774	765	886	1091	905	1185	1164				10019	18323
OTHER	309	381	625	751	499	499	632	565	716				4977	6463
TOTAL MANUFACTURED FIBERS ABOVE	**47858**	**45403**	**44407**	**44453**	**49205**	**48677**	**51666**	**51932**	**45859**				**429460**	**413348**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	49	163	98	125	189	90	185	93	119				1111	804
SPUN YARN	579	341	416	648	575	525	800	635	824				5343	4406
SPUN YARNS														
SYNTHETIC	431	843	746	610	636	663	581	487	539				5536	19423
ARTIFICIAL	0	0	0	0	0	0	0	0	0				0	0
PUT UP FOR RETAIL SALE	67	66	58	60	91	68	28	56	35				527	142
GRAND TOTAL ABOVE	**48984**	**46816**	**45725**	**45896**	**50696**	**50021**	**53260**	**53203**	**47376**				**441977**	**438123**

SOURCE: U.S. Census Bureau Report IM145X.

a. U.S. General Imports.

TABLE 13:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

	1991												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	134	284	263	22	74	82	115	207	100				1281	853
TEXTURED	65	44	41	198	31	159	79	208	89				914	960
OTHER	211	69	132	193	41	257	67	87	15				1072	533
MONOFILAMENTS & STRIPS	2	8	42	12	6	9	24	65	18				186	197
SUBTOTAL ABOVE	**412**	**405**	**478**	**425**	**152**	**507**	**285**	**567**	**222**				**3453**	**2543**
STAPLE	970	779	549	710	1403	2701	1571	1221	1159				11063	12775
TOPS	0	15	3	0	53	103	159	0	116				449	1162
SUBTOTAL ABOVE	**970**	**794**	**552**	**710**	**1456**	**2804**	**1730**	**1221**	**1275**				**11512**	**13937**
WASTE	**527**	**666**	**2006**	**425**	**500**	**508**	**360**	**834**	**363**				**6189**	**4561**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	8070	7887	9547	9139	8564	5075	6075	4386	4333				63076	90394
TEXTURED														
UP TO 450 DENIER	1068	886	1636	1558	1172	1106	770	1121	829				10146	8668
OVER 450 DENIER	4023	4917	3298	3021	2921	3681	4369	3046	4370				33646	37807
POY	61	102	38	66	17	21	6	16	30				357	0
OTHER	3060	2769	3549	3394	3367	4106	2555	2955	3644				29399	20901
MONOFILAMENTS & STRIPS	34	57	6	56	31	34	14	39	35				306	298
SUBTOTAL ABOVE	**16316**	**16618**	**18074**	**17234**	**16072**	**14023**	**13789**	**11563**	**13241**				**136930**	**158068**
POLYESTER														
HIGH TENACITY	5640	5735	5488	5274	6132	7976	5217	3770	3367				48599	39181
TEXTURED	5014	4345	7042	5020	6176	5011	4888	4724	4970				47190	31116
POY	657	685	2216	2078	1814	898	747	405	1011				10511	13646
OTHER	2391	1711	2362	2654	2594	1376	2530	3098	3737				22453	15466
MONOFILAMENTS & STRIPS	138	80	235	349	430	363	85	386	196				2262	1461
SUBTOTAL ABOVE	**13840**	**12556**	**17343**	**15375**	**17146**	**15624**	**13467**	**12383**	**13281**				**131015**	**100870**
OTHER SYNTHETIC FILAMENT														
TEXTURED	603	627	620	473	637	420	398	670	578				5026	5154
OTHER	2963	1623	2068	2461	2088	1693	2320	1308	1063				17587	20308
MONOFILAMENTS & STRIPS	1050	859	1470	1062	1138	1092	1251	1612	1371				10905	9758
SUBTOTAL ABOVE	**4616**	**3109**	**4158**	**3996**	**3863**	**3205**	**3969**	**3590**	**3012**				**33518**	**35220**
STAPLE														
NYLON	2146	2453	1337	1768	2288	2925	1806	2547	3324				20594	21116
POLYESTER	6379	8388	10134	9404	10384	9044	7979	10004	11139				82855	62177
ACRYLIC	2431	1826	2976	2459	2082	3630	2592	1149	1616				20761	42156
POLYPROPYLENE	3302	1817	1957	3106	2742	2253	2680	3715	2708				24280	21392
OTHER	1489	1074	1811	1089	1383	682	1166	709	781				10184	12196
TOW														
NYLON	253	150	187	122	96	141	102	159	161				1371	1512
POLYESTER	58	1	32	79	47	60	14	76	23				390	651
ACRYLIC	1511	1278	855	339	328	796	439	487	514				6547	17773
OTHER	14	1	402	7	3	0	0	16	28				471	1508
TOPS	11009	5452	6387	4995	10029	2354	7337	7718	5749				61030	40735
SUBTOTAL ABOVE	**28592**	**22440**	**26078**	**23368**	**29382**	**21885**	**24115**	**26580**	**26043**				**228483**	**221216**
WASTE														
NYLON	2788	2965	3563	2700	1549	3207	2195	2134	2078				23179	31433
POLYESTER	2989	5530	5263	2796	2684	1716	3340	2878	4935				32131	22858
OTHER	6305	6811	7387	7147	6759	8674	4910	6273	5599				59865	46283
TOTAL MANUFACTURED FIBERS ABOVE	**77355**	**71894**	**84902**	**74176**	**79563**	**72153**	**68160**	**68023**	**70049**				**666275**	**636989**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	827	890	850	1560	761	905	845	1371	977				8986	400
SPUN YARN	159	277	174	178	275	156	272	1781	237				3509	0
SPUN YARNS														
SYNTHETIC	891	1256	1434	1865	1403	1521	1641	1266	1264				12541	37637
ARTIFICIAL	123	145	216	264	285	468	347	517	512				2877	0
PUT UP FOR RETAIL SALE	1488	1488	2601	2873	2730	3077	2946	4189	4482				25874	6682
GRAND TOTAL ABOVE	**80843**	**75950**	**90177**	**80916**	**85017**	**78280**	**74211**	**77147**	**77521**				**720062**	**681708**

SOURCE: U.S. Census Bureau Report EM522.

TABLE 14:
QUARTERLY MANUFACTURED FIBER DATA

MILLION POUNDS

ITEM	1989					1990					1991				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS									
ARTIFICIAL (CELLULOSIC) YARN [d]															
PRODUCTION	**52.7**	**55.8**	**56.7**	**52.3**	**217.5**	**45.8**	**52.3**	**53.6**	**53.5**	**206.2**	**46.0**	**55.4**	**54.5**		
SHIPMENTS - DOMESTIC	46.0	50.3	45.6	45.4	187.3	40.1	43.3	45.3	44.0	172.7	38.7	47.7	46.3		
- EXPORT	6.8	7.9	8.4	8.6	31.7	7.8	9.1	8.7	8.4	34.0	8.7	8.3	7.8		
TOTAL SHIPMENTS	**52.8**	**58.2**	**54.0**	**54.0**	**219.0**	**47.9**	**52.4**	**54.0**	**52.4**	**206.7**	**47.4**	**56.0**	**54.1**		
ENDING STOCK	**11.3**	**8.9**	**11.6**	**9.9**		**8.8**	**8.7**	**8.3**	**9.4**		**10.0**	**9.4**	**9.8**		
IMPORTS	6.3	5.9	7.3	6.8	26.3	5.3	6.2	6.5	6.2	24.2	5.9	6.4	7.9		
TOTAL AVAILABLE	**52.3**	**56.2**	**52.9**	**52.2**	**213.6**	**45.4**	**49.5**	**51.8**	**50.2**	**196.9**	**44.6**	**54.1**	**54.2**		
NYLON															
PRODUCTION	**436.9**	**447.5**	**434.8**	**440.0**	**1759.2**	**428.3**	**438.1**	**408.2**	**397.3**	**1671.9**	**383.9**	**410.1**	**431.7**		
SHIPMENTS - DOMESTIC	387.9	399.7	400.9	386.8	1575.3	382.5	383.2	377.8	394.0	1537.5	327.1	386.8	408.0		
- EXPORT	42.7	38.9	34.8	40.4	156.8	37.9	38.4	43.0	39.5	158.8	37.4	35.2	32.2		
TOTAL SHIPMENTS	**430.6**	**438.6**	**435.7**	**427.2**	**1732.1**	**420.4**	**421.6**	**420.8**	**433.5**	**1696.3**	**364.5**	**422.0**	**440.2**		
ENDING STOCK	**131.6**	**140.5**	**139.6**	**152.4**		**160.3**	**176.8**	**164.2**	**128.0**		**147.4**	**135.5**	**127.0**		
OLEFIN [a]															
PRODUCTION	**313.8**	**324.6**	**310.4**	**308.4**	**1257.2**	**339.7**	**366.7**	**359.5**	**350.7**	**1416.6**	**321.9**	**353.6**	**371.1**		
SHIPMENTS - DOMESTIC	308.0	315.5	301.6	300.9	1226.0	335.8	365.4	356.5	347.2	1404.9	312.0	353.0	361.3		
- EXPORT	5.2	6.4	7.2	3.7	22.5	4.6	5.5	5.6	5.7	21.4	5.2	8.4	5.2		
TOTAL SHIPMENTS	**313.2**	**321.9**	**308.8**	**304.6**	**1248.5**	**340.4**	**370.9**	**362.1**	**352.9**	**1426.3**	**317.2**	**361.4**	**366.5**		
ENDING STOCK	**58.0**	**60.7**	**62.3**	**66.1**		**65.4**	**61.2**	**58.6**	**56.4**		**61.1**	**53.3**	**57.9**		
POLYESTER															
PRODUCTION	**314.4**	**325.3**	**306.4**	**262.9**	**1209.0**	**262.1**	**280.0**	**267.7**	**295.4**	**1105.2**	**288.2**	**302.6**	**300.0**		
SHIPMENTS - DOMESTIC	292.0	303.6	264.1	251.0	1110.7	241.7	271.9	259.9	272.7	1046.2	249.1	283.7	287.3		
- EXPORT	16.0	13.1	13.3	16.2	58.6	16.7	20.9	19.2	28.1	84.9	23.2	22.3	17.8		
TOTAL SHIPMENTS	**308.0**	**316.7**	**277.4**	**267.2**	**1169.3**	**258.4**	**292.8**	**279.1**	**300.8**	**1131.1**	**272.3**	**306.0**	**305.1**		
ENDING STOCK	**112.4**	**121.0**	**150.0**	**145.7**		**149.4**	**136.6**	**125.2**	**119.8**		**135.7**	**132.3**	**127.2**		
TOTAL SYNTHETIC (NONCELLULOSIC) ABOVE															
PRODUCTION	**1065.1**	**1097.4**	**1051.6**	**1011.3**	**4225.4**	**1030.1**	**1084.8**	**1035.4**	**1043.4**	**4193.7**	**994.0**	**1066.3**	**1102.8**		
SHIPMENTS - DOMESTIC	987.9	1018.8	966.6	938.7	3912.0	960.0	1020.5	994.2	1013.9	3988.6	888.2	1023.5	1056.6		
- EXPORT	63.9	58.4	55.3	60.3	237.9	59.2	64.8	67.8	73.3	265.1	65.8	65.9	55.2		
SHIPMENTS	**1051.8**	**1077.2**	**1021.9**	**999.0**	**4149.9**	**1019.2**	**1085.3**	**1062.0**	**1087.2**	**4253.7**	**954.0**	**1089.4**	**1111.8**		
ENDING STOCK	**302.0**	**322.2**	**351.9**	**364.2**		**375.1**	**374.6**	**348.0**	**304.2**		**344.2**	**321.1**	**312.1**		
DOMESTIC SHIPMENTS	987.9	1018.8	966.6	938.7	3912.0	960.0	1020.5	994.2	1013.9	3988.6	888.2	1023.5	1056.6		
IMPORTS - TEXTURED YARN [b]	14.4	14.7	15.0	11.8	55.9	14.4	19.8	18.9	9.9	63.0	7.5	11.5	12.2		
- OTHER YARN [b]	23.3	33.0	32.5	28.6	117.4	24.6	20.2	18.4	19.8	83.0	25.7	28.3	29.8		
- MONOFILAMENTS	1.2	1.6	4.0	2.1	8.9	2.5	2.3	2.0	1.9	8.7	1.9	2.1	2.8		
TOTAL IMPORTS	38.9	49.3	51.5	42.5	182.2	41.5	42.3	39.3	31.6	154.7	35.1	41.9	44.8		
TOTAL AVAILABLE	**1026.8**	**1068.1**	**1018.1**	**981.2**	**4094.2**	**1001.5**	**1062.8**	**1033.5**	**1045.5**	**4143.3**	**923.3**	**1065.4**	**1101.4**		
						GLASS FIBER									
TOTAL SHIPMENTS	**394.2**	**399.3**	**363.4**	**373.2**	**1530.1**	**374.5**	**414.6**	**388.3**	**341.7**	**1519.1**	**335.7**	**392.1**	**397.2**		

FOOTNOTES FOR TABLE ABOVE & OPPOSITE:

"Imports" are general imports, as reported by the U.S. Census Bureau

a. Also include film fiber as well as spunbonded polypropylene.

b. Includes singles and plied.

c. For Harmonized Tariff Schedule numbers, please see pages 73-79 of the April 1989 ***Fiber Organon.***

d. Includes both rayon & acetate yarn.

e. For Harmonized Tariff Schedule numbers, please see pages 73-79 of the April 1989 ***Fiber Organon***

TABLE 14:
QUARTERLY MANUFACTURED FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1989					1990					1991				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
							STAPLE+TOW								
RAYON															
PRODUCTION	100.8	101.2	83.2	77.6	362.8	73.3	72.0	74.2	79.6	299.1	67.4	68.7	69.7		
SHIPMENTS -DOMESTIC	99.7	91.7	76.6	70.2	338.2	77.6	71.6	72.3	70.2	291.7	57.2	67.1	68.8		
-EXPORT	3.4	5.4	4.3	3.1	16.2	4.1	4.3	2.8	1.3	12.5	1.5	2.7	2.1		
TOTAL SHIPMENTS	103.1	97.1	80.9	73.3	354.4	81.7	75.9	75.1	71.5	304.2	58.7	69.8	70.9		
ENDING STOCK	11.7	15.8	18.1	22.4		14.0	10.1	9.2	17.3		26.0	24.9	23.7		
DOMESTIC SHIPMENTS	99.7	91.7	76.6	70.2	338.2	77.6	71.6	72.3	70.2	291.7	57.2	67.1	68.8		
IMPORTS FOR CONSUMPTION															
STAPLE GROUPED FILAMENTS	15.1	13.3	12.4	13.2	54.0	18.9	23.9	35.4	33.4	111.6	26.9	20.3	23.3		
TOTAL IMPORTS	15.1	13.3	12.4	13.2	54.0	18.9	23.9	35.4	33.4	111.6	26.9	20.3	23.3		
TOTAL AVAILABLE	114.8	105.0	89.0	83.4	392.2	96.5	95.5	107.7	103.6	403.3	84.1	87.4	92.1		
NYLON															
PRODUCTION	252.9	242.0	241.0	244.8	980.7	237.0	273.0	242.8	236.8	989.6	200.6	206.4	237.2		
SHIPMENTS -DOMESTIC	242.0	231.2	245.8	236.3	955.3	242.6	243.1	235.7	228.8	950.2	179.1	219.5	233.1		
-EXPORT	7.5	4.8	5.4	5.5	23.2	7.1	6.5	6.1	4.8	24.5	6.5	7.1	7.1		
TOTAL SHIPMENTS	249.5	236.0	251.2	241.8	978.5	249.7	249.6	241.8	233.6	974.7	185.6	226.6	240.2		
ENDING STOCK	51.0	57.0	46.8	49.8		37.1	60.5	61.5	64.7		79.7	59.5	56.5		
IMPORTS	6.4	5.4	5.4	8.9	26.1	12.4	9.9	9.9	8.9	41.1	6.5	7.8	9.8		
TOTAL AVAILABLE	248.4	236.6	251.2	245.2	981.4	255.0	253.0	245.6	237.7	991.3	185.6	227.3	242.9		
ACRYLIC+MODACRYLIC															
PRODUCTION	144.3	145.6	129.4	123.4	542.7	129.6	136.9	129.0	110.3	505.8	103.0	116.4	119.8		
SHIPMENTS -DOMESTIC	112.9	112.4	102.8	86.7	414.8	98.8	94.0	84.0	75.4	352.2	76.1	87.1	82.8		
-EXPORT	23.6	32.5	30.0	36.5	122.6	24.5	32.5	42.2	49.2	148.4	30.7	26.6	27.3		
TOTAL SHIPMENTS	136.5	144.9	132.8	123.2	537.4	123.3	126.5	126.2	124.6	500.6	106.8	113.7	110.1		
ENDING STOCK	69.0	69.7	66.3	66.5		72.8	83.2	86.0	71.7		67.9	70.6	80.3		
IMPORTS	9.4	11.1	8.5	8.5	37.5	12.6	9.6	6.8	8.8	37.8	9.2	10.0	8.7		
TOTAL AVAILABLE	122.3	123.5	111.3	95.2	452.3	111.4	103.6	90.8	84.2	390.0	85.3	97.1	91.5		
OLEFIN															
PRODUCTION	97.1	97.7	92.0	94.8	381.6	96.9	105.3	102.8	100.5	405.5	102.2	115.3	117.0		
SHIPMENTS -DOMESTIC	91.6	93.5	91.4	86.9	363.4	94.0	102.0	96.8	95.1	387.9	97.1	110.6	115.0		
-EXPORT	3.1	3.7	3.4	3.8	14.0	6.0	6.2	6.3	4.2	22.7	3.1	6.1	5.6		
TOTAL SHIPMENTS	94.7	97.2	94.8	90.7	377.4	100.0	108.2	103.1	99.3	410.6	100.2	116.7	120.6		
ENDING STOCK	32.8	33.3	30.5	34.6		31.5	28.6	28.3	29.5		31.5	30.1	26.5		
POLYESTER															
PRODUCTION	609.4	648.8	591.0	536.1	2385.3	520.9	545.5	487.9	535.6	2089.9	505.2	524.6	568.7		
SHIPMENTS -DOMESTIC	575.4	594.6	543.0	548.3	2261.3	502.6	510.8	494.3	507.7	2015.4	467.9	525.5	548.5		
-EXPORT	34.9	21.7	20.1	16.8	93.5	15.3	15.2	19.0	33.8	83.3	26.4	29.1	24.3		
TOTAL SHIPMENTS	610.3	616.3	563.1	565.1	2354.8	517.9	526.0	513.3	541.5	2098.7	494.3	554.6	572.8		
ENDING STOCK	158.5	191.0	218.9	189.9		192.9	212.4	187.0	181.1		192.0	162.0	157.9		
IMPORTS	21.5	29.9	34.5	32.7	118.6	24.9	30.3	30.2	37.8	123.2	41.5	43.9	40.0		
TOTAL AVAILABLE	596.9	624.5	577.5	581.0	2379.9	527.5	541.1	524.5	545.5	2138.6	509.4	569.4	588.5		
TOTAL SYNTHETIC (NONCELLULOSIC)															
PRODUCTION	1103.7	1134.1	1053.4	999.1	4290.3	984.4	1060.7	962.5	983.2	3990.8	911.0	962.7	1042.7		
SHIPMENTS -DOMESTIC	1021.9	1031.7	983.0	958.2	3994.8	938.0	949.9	910.8	907.0	3705.7	820.2	942.7	979.4		
-EXPORT	69.1	62.7	58.9	62.6	253.3	52.9	60.4	73.6	92.0	278.9	66.7	68.9	64.3		
TOTAL SHIPMENTS	1091.0	1094.4	1041.9	1020.8	4248.1	990.9	1010.3	984.4	999.0	3984.6	886.9	1011.6	1043.7		
ENDING STOCK	311.3	351.0	362.5	340.8		334.3	384.7	362.8	347.0		371.1	322.2	321.2		
DOMESTIC SHIPMENTS	1021.9	1031.7	983.0	958.2	3994.8	938.0	949.9	910.8	907.0	3705.7	820.2	942.7	979.4		
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE[c]	37.3	46.4	48.4	50.1	182.2	49.9	49.8	46.9	55.5	202.1	57.2	61.7	58.5		
OTHER N.C. STAPLE[e] GROUPED FILAMENTS	3.7	2.8	1.7	2.0	10.2	2.5	1.7	1.7	1.8	7.7	1.9	1.9	3.4		
TOTAL IMPORTS	41.0	49.2	50.1	52.1	192.4	52.4	51.5	48.6	57.3	209.8	59.1	63.6	61.9		
TOTAL AVAILABLE	1062.9	1080.9	1033.1	1010.3	4187.2	990.4	1001.4	959.4	964.3	3915.5	879.3	1006.3	1041.3		

See footnotes on opposite page.

TABLE 15:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1991												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
	MANUFACTURED FIBER TOTAL SHIPMENTS[b,c]													
ARTIFICIAL (CELLULOSIC)														
YARN	14.8	16.4	16.2	20.3	18.0	17.7	19.0	17.4	17.7	19.4			176.9	173.6
RAYON STAPLE	20.4	16.2	22.1	21.4	25.7	22.7	24.1	24.7	22.1	23.2			222.6	261.2
TOTAL ARTIFICIAL (CELLULOSIC)	**35.2**	**32.6**	**38.3**	**41.7**	**43.7**	**40.4**	**43.1**	**42.1**	**39.8**	**42.6**			**399.5**	**434.8**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	29.2	28.1	26.5	27.9	28.6	24.4	22.8	25.5	26.3	27.9			267.2	284.9
- CARPET	69.4	54.5	63.8	80.3	85.8	80.4	85.6	92.0	90.9	91.0			793.7	818.2
- TEXTILE	34.2	30.0	28.8	32.9	33.0	28.7	31.7	32.8	32.6	36.2			320.9	306.9
POLYESTER - INDUSTRIAL[d]	25.0	27.0	26.5	29.1	29.0	29.1	26.6	28.9	26.9	32.4			280.5	299.1
- TEXTILE[f]	67.9	61.5	64.4	75.9	74.4	68.5	75.9	74.3	72.5	82.9			718.2	630.8
OLEFIN[e]	103.4	104.4	109.4	119.2	121.1	121.1	114.9	125.0	126.6	121.6			1166.7	1199.1
TOTAL YARN	**329.1**	**305.5**	**319.4**	**365.3**	**371.9**	**352.2**	**357.5**	**378.5**	**375.8**	**392.0**			**3547.2**	**3539.0**
STAPLE+TOW+FIBERFILL														
NYLON	66.8	54.7	64.1	78.1	77.8	70.7	76.2	84.1	79.9	81.5			733.9	830.2
ACRYLIC+MODACRYLIC	36.5	34.8	35.5	34.2	37.5	42.0	33.1	40.0	37.0	45.0			375.6	416.1
POLYESTER	168.6	159.6	166.1	191.7	191.3	171.6	185.3	197.0	190.5	227.0			1848.7	1764.1
OLEFIN	34.7	30.9	34.6	38.5	40.7	37.5	38.0	44.0	38.5	44.5			381.9	346.1
TOTAL STAPLE	**306.6**	**280.0**	**300.3**	**342.5**	**347.3**	**321.8**	**332.6**	**365.1**	**345.9**	**398.0**			**3340.1**	**3356.5**
TOTAL SYNTHETIC (NONCELLULOSIC)	**635.7**	**585.5**	**619.7**	**707.8**	**719.2**	**674.0**	**690.1**	**743.6**	**721.7**	**790.0**			**6887.3**	**6895.5**
TOTAL MANUFACTURED FIBER	**670.9**	**618.1**	**658.0**	**749.5**	**762.9**	**714.4**	**733.2**	**785.7**	**761.5**	**832.6**			**7286.8**	**7330.3**
	MANUFACTURED FIBER END-OF-MONTH STOCK													
ARTIFICIAL (CELLULOSIC)														
YARN	10.2	9.6	10.0	9.6	9.4	9.4	9.6	9.4	9.8	9.9			9.9	8.6
RAYON STAPLE	22.4	27.3	26.0	26.6	23.9	24.9	25.9	24.8	23.7	23.2			23.2	8.8
TOTAL ARTIFICIAL (CELLULOSIC)	**32.6**	**36.9**	**36.0**	**36.2**	**33.3**	**34.3**	**35.5**	**34.2**	**33.5**	**33.1**			**33.1**	**17.4**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	25.0	23.9	24.7	26.9	26.1	28.2	30.8	29.7	31.0	31.6			31.6	30.4
- CARPET	72.0	80.6	77.6	66.3	58.5	58.4	59.9	52.1	47.1	50.3			50.3	75.8
- TEXTILE[f]	46.2	46.2	45.1	45.6	47.3	48.9	50.4	49.5	48.9	45.7			45.7	50.9
POLYESTER - INDUSTRIAL[d]	41.0	43.0	41.8	44.6	42.5	40.6	39.3	38.1	37.9	35.8			35.8	38.1
- TEXTILE[f]	86.4	93.4	93.9	90.5	90.7	91.7	92.2	86.1	89.3	83.6			83.6	90.1
OLEFIN[e]	61.5	59.7	61.1	59.8	56.4	53.3	53.4	53.7	57.9	57.9			57.9	57.1
TOTAL YARN	**332.1**	**346.8**	**344.2**	**333.7**	**321.5**	**321.1**	**326.0**	**309.2**	**312.1**	**304.9**			**304.9**	**342.4**
STAPLE+TOW+FIBERFILL														
NYLON	71.0	81.6	79.7	68.2	61.2	59.5	61.9	57.3	56.5	55.8			55.8	59.4
ACRYLIC+MODACRYLIC	73.4	72.4	67.9	72.1	74.9	70.6	78.0	79.3	80.3	77.7			77.7	81.2
POLYESTER	192.7	189.5	192.0	185.8	170.5	162.0	174.9	164.7	157.9	148.6			148.6	171.6
OLEFIN	29.8	30.0	31.5	33.3	30.1	30.1	30.2	26.0	26.5	26.5			26.5	28.3
TOTAL STAPLE	**366.9**	**373.5**	**371.1**	**359.4**	**336.7**	**322.2**	**345.0**	**327.3**	**321.2**	**308.6**			**308.6**	**340.5**
TOTAL SYNTHETIC (NONCELLULOSIC)	**699.0**	**720.3**	**715.3**	**693.1**	**658.2**	**643.3**	**671.0**	**636.5**	**633.3**	**613.5**			**613.5**	**682.9**
TOTAL MANUFACTURED FIBER	**731.6**	**757.2**	**751.3**	**729.3**	**691.5**	**677.6**	**706.5**	**670.7**	**666.8**	**646.6**			**646.6**	**700.3**

	COTTON & WOOL CONSUMPTION[g]					
	1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER		
RAW COTTON	**1032.9**	**1112.0**			**2144.9**	**2060.9**
APPAREL CLASS WOOL	34.6	40.5			75.1	64.1
CARPET CLASS WOOL	3.1	3.1			6.2	6.7
TOTAL RAW WOOL	**37.7**	**43.6**			**81.3**	**70.8**

a. "Year to date" totals for stock, are the latest month's figures

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic shipments plus export shipments

d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier

e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses

f. Includes low denier industrial yarn

g. **Cotton and Wool data for 1991 available on a quarterly basis only.**

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FIBER ORGANON

Volume 62, No. 12 ☐ December 1991

A publication of *Fiber Economics Bureau, Inc.*

Highlights

- Worldwide Natural Fiber Survey...begins on page 287.
- November 1991 Capacity Survey Analysis...begins on page 293.
- Quarterly Manufactured Fiber Data...begins on page 298.

SHIPMENTS:

In November, total manufactured fiber shipments reached 711 million pounds, 15% below the 837 million pounds shipped in October and 3% below the 733 million pounds shipped in November 1990.

November shipments of synthetic (noncellulosic) filament yarn fell 13% to 344 million pounds and staple+tow fell 17% to 330 million pounds.

Contributing to the decrease in shipments over the previous month were nylon staple+tow down 23% or 19 million pounds, nylon carpet yarn down 22% or 20 million pounds and acrylic+modacrylic staple+tow down 9 million pounds or 19%.

Year-to-date domestic shipments of manufactured fiber are down 1% and exports are down 3%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1991 NOV	1991 OCT	% CHG 11/91-10/91	1990 NOV	% CHG 11/91-11/90	YEAR TO DATE 1991	YEAR TO DATE 1990	% CHG YTD 1991-1990
ARTIFICIAL (CELLULOSIC)								
YARN	16.0	19.4	*-17.5*	15.3	*+4.6*	192.9	188.9	*+2.1*
RAYON STAPLE	20.7	23.2	*-10.8*	22.3	*-7.2*	243.3	283.5	*-14.2*
TOTAL ARTIFICIAL (CELL.)	**36.7**	**42.6**	***-13.8***	**37.6**	***-2.4***	**436.2**	**472.4**	***-7.7***
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	23.6	27.9	*-15.4*	30.0	*-21.3*	290.8	314.9	*-7.7*
- CARPET	70.8	91.0	*-22.2*	83.8	*-15.5*	864.5	902.0	*-4.2*
- TEXTILE [a]	31.3	36.2	*-13.5*	32.3	*-3.1*	352.2	339.2	*+3.8*
POLYESTER - INDUSTRIAL	28.3	32.4	*-12.7*	30.0	*-5.7*	308.8	329.1	*-6.2*
- TEXTILE [a]	71.6	82.9	*-13.6*	66.5	*+7.7*	789.8	697.3	*+13.3*
OLEFIN	118.7	126.4	*-6.1*	119.1	*-0.3*	1290.2	1318.2	*-2.1*
TOTAL YARN	**344.3**	**396.8**	***-13.2***	**361.7**	***-4.8***	**3896.3**	**3900.7**	***-0.1***
STAPLE+TOW+FIBERFILL								
NYLON	62.5	81.5	*-23.3*	80.9	*-22.7*	796.4	911.1	*-12.6*
ACRYLIC+MODACRYLIC	36.5	45.0	*-18.9*	39.5	*-7.6*	412.1	455.6	*-9.5*
POLYESTER	189.4	227.0	*-16.6*	180.0	*+5.2*	2038.1	1944.1	*+4.8*
OLEFIN	41.9	44.5	*-5.8*	33.5	*+25.1*	423.9	379.6	*+11.7*
TOTAL STAPLE	**330.3**	**398.0**	***-17.0***	**333.9**	***-1.1***	**3670.5**	**3690.4**	***-0.5***
TOTAL SYNTHETIC (NONCELL.)	**674.6**	**794.8**	***-15.1***	**695.6**	***-3.0***	**7566.8**	**7591.1**	***-0.3***
TOTAL MANUFACTURED FIBER	**711.3**	**837.4**	***-15.1***	**733.2**	***-3.0***	**8003.0**	**8063.5**	***-0.8***
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS [b]	671.1	788.1	*-14.8*	675.5	*-0.7*	7529.2	7574.7	*-0.6*
EXPORTS [c]	40.2	49.3	*-18.5*	57.7	*-30.3*	473.8	488.8	*-3.1*

a. Includes low denier industrial yarn.

b. Includes olefin exports.

c. Excludes olefin exports.

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WORLDWIDE NATURAL FIBER SURVEY

For the season beginning August 1, 1990, worldwide production of raw cotton increased to 87 million bales, representing an increase of 9% from the 80 million bales produced in 1989. The two largest producers, the People's Republic of China and the United States, each had a significant increase and together account for 22% of the worldwide increase in production. During the 1990 season, worldwide production at 87 million bales exceeded consumption by 1 million bales, increasing carryover to the 1991 season.

Cotton production in the United States increased 27% during the 1990 season to reach 16 million bales. At that level, consumption and exports exceeded production by one million bales, increasing the carryover of raw cotton.

In 1990, worldwide production of raw wool (greasy basis) decreased 1% from the 1989 level to reach 7,372 million pounds. Australia with 33% of world wool production decreased output by 24 million pounds. The remaining major wool producing nations, which grow over half the world's supply, decreased output 42 million pounds. The other portion of the increase or 26 million pounds came from the "other" nations that account for only 17% of world production.

Raw wool production in the United States remained unchanged during the 1990 season at 90 million pounds.

TABLE 2:
WORLDWIDE PRODUCTION, CONSUMPTION, EXPORT & CARRYOVER OF RAW COTTON
MILLION BALES[a] & *PERCENT*

SEASON BEGINNING AUGUST 1	PRODUCTION[b]						CONSUMPTION[c]						EXPORT[d]						CARRYOVER[e]					
	TOTAL		U.S.A.		FOREIGN		TOTAL		U.S.A.		FOREIGN		TOTAL		U.S.A.		FOREIGN		TOTAL		U.S.A.		FOREIGN	
	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%
1950-1954 f	38.4	*100*	14.0	*36*	24.4	*64*	37.2	*100*	9.3	*25*	27.9	*75*	12.4	*100*	4.0	*32*	8.4	*68*	17.0	*100*	5.4	*32*	11.6	*68*
1955-1959 f	43.9	*100*	12.9	*29*	31.0	*71*	44.2	*100*	8.7	*20*	35.5	*80*	14.7	*100*	5.1	*35*	9.6	*65*	22.7	*100*	10.9	*48*	11.8	*52*
1960-1964 f	48.7	*100*	14.9	*31*	33.8	*69*	47.4	*100*	8.7	*18*	38.7	*82*	16.6	*100*	5.0	*30*	11.6	*70*	21.7	*100*	9.3	*43*	12.4	*57*
1965-1969 f	52.3	*100*	10.6	*20*	41.7	*80*	54.0	*100*	8.9	*16*	45.1	*84*	17.4	*100*	3.6	*21*	13.8	*79*	26.7	*100*	11.3	*42*	15.4	*58*
1970-1974 f	60.9	*100*	11.8	*19*	49.1	*81*	58.8	*100*	7.5	*13*	51.3	*87*	20.0	*100*	4.5	*23*	15.5	*77*	23.0	*100*	4.3	*19*	18.7	*81*
1975-1979 f	59.7	*100*	11.8	*20*	47.9	*80*	62.1	*100*	6.7	*11*	55.4	*89*	19.8	*100*	5.8	*29*	14.0	*71*	26.5	*100*	4.3	*16*	22.2	*84*
1980-1984 f	70.8	*100*	11.9	*17*	58.9	*83*	66.7	*100*	5.6	*8*	61.1	*92*	20.0	*100*	6.1	*31*	13.9	*70*	28.4	*100*	3.8	*13*	24.6	*87*
1985-1989 f	79.1	*100*	13.1	*17*	66.0	*83*	83.1	*100*	7.6	*9*	75.5	*91*	24.0	*100*	5.8	*24*	18.2	*76*	36.9	*100*	6.0	*16*	30.9	*84*
1980	63.7	*100*	11.1	*17*	52.6	*83*	65.3	*100*	5.9	*9*	59.4	*91*	19.9	*100*	5.9	*30*	14.0	*70*	22.9	*100*	3.0	*13*	19.9	*87*
1981	69.1	*100*	15.6	*23*	53.5	*77*	65.1	*100*	5.3	*8*	59.8	*92*	21.0	*100*	6.6	*31*	14.4	*69*	21.1	*100*	2.7	*13*	18.4	*87*
1982	66.4	*100*	12.0	*18*	54.4	*82*	66.5	*100*	5.5	*8*	61.0	*92*	18.6	*100*	5.2	*28*	13.4	*72*	24.3	*100*	6.6	*27*	17.7	*73*
1983	66.6	*100*	7.8	*12*	58.8	*88*	67.4	*100*	5.9	*9*	61.5	*91*	19.7	*100*	6.8	*35*	12.9	*65*	27.6	*100*	2.8	*10*	24.8	*90*
1984	88.4	*100*	13.0	*15*	75.4	*85*	69.4	*100*	5.5	*8*	63.9	*92*	20.8	*100*	6.2	*30*	14.6	*70*	46.3	*100*	4.1	*9*	42.2	*91*
1985	79.9	*100*	13.4	*17*	66.5	*83*	76.1	*100*	6.4	*8*	69.7	*92*	20.4	*100*	2.0	*10*	18.4	*90*	51.5	*100*	9.3	*18*	42.2	*82*
1986	70.1	*100*	9.7	*14*	60.4	*86*	83.8	*100*	7.5	*9*	76.3	*91*	26.3	*100*	6.7	*25*	19.6	*75*	37.0	*100*	5.0	*14*	32.0	*86*
1987	81.1	*100*	14.8	*18*	66.3	*82*	83.5	*100*	7.6	*9*	75.9	*91*	23.3	*100*	6.6	*28*	16.7	*72*	34.8	*100*	5.8	*17*	29.0	*83*
1988	84.3	*100*	15.4	*18*	68.9	*82*	85.4	*100*	7.8	*9*	77.6	*91*	26.2	*100*	6.1	*23*	20.1	*77*	33.5	*100*	7.1	*21*	26.4	*79*
1989	79.9	*100*	12.2	*15*	67.7	*85*	86.6	*100*	8.8	*10*	77.8	*90*	24.0	*100*	7.7	*32*	16.3	*68*	27.9	*100*	3.0	*11*	24.9	*89*
1990 g	86.9	*100*	15.5	*18*	71.4	*82*	86.4	*100*	8.5	*10*	77.9	*90*	23.8	*100*	7.9	*33*	15.9	*67*	28.6	*100*	2.2	*8*	26.4	*92*
1991 g	91.6	*100*	16.2	*18*	75.4	*82*	88.4	*100*	8.5	*10*	79.9	*90*	22.4	*100*	7.0	*31*	15.4	*69*	31.9	*100*	3.0	*9*	28.9	*91*

SOURCE: International Cotton Advisory Committee, ***Cotton: World Statistics,*** Vol. 45 No. 1, October 1991.

For earlier years' data, see the October 1960 and 1969 ***Textile Organon*** issues, pages 167 & 176.

- **a.** As 480-pound bales.
- **b.** Refers to actual ginnings or pressings during the August-July crop year. In some countries, estimates of household consumption are included in production estimates. U.S. production also includes city crop. Note the U.S. production shown in the table on page 290 includes only the ginnings until the 1982 crop year.
- **c.** Includes raw cotton consumed in spinning mills and other factories plus estimates of household consumption.
- **d.** Means the export of domestically produced cotton.
- **e.** Includes mill stocks, port stocks and stocks in transit, etc. U.S.A. means the carryover of U.S. cotton in the world regardless of where located; FOREIGN means the carryover of foreign cotton in the world regardless of where located.
- **f.** Five-year averages.
- **g.** The 1990 & 1991 data are preliminary or estimated.

TABLE 3:
WORLDWIDE RAW COTTON PRODUCTION BY PRODUCING COUNTRIES
THOUSAND BALES & *PERCENT* [a]

SEASON BEGINNING AUGUST 1	WORLD TOTAL		NORTH & SOUTH AMERICA														CHINA PRC & E. EUROPE					
			BRAZIL		MEXICO		U.S.A.		OTHER N.A.[b]		OTHER S.A.[c]		TOTAL				CHINA[d]		U.S.S.R.[e]		TOTAL	
	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%			BALES	%	BALES	%	BALES	%
1950-1954	38403	100	1666	4.2	1340	3.5	14046	36.6	179	0.5	1170	3.0	18401	47.8			4480	11.7	5951	15.5	10431	27.2
1955-1959	43898	100	1490	3.6	2049	4.7	12945	29.5	423	1.0	1321	3.0	18228	41.8			7260	16.5	6937	15.8	14197	32.3
1960-1964	48651	100	2218	4.7	2189	4.5	14861	30.5	930	1.9	1637	3.4	21835	45.0			5277	10.8	7536	15.5	12813	26.3
1965-1969	52295	100	2668	5.1	2202	4.2	10573	20.2	1044	2.0	1558	3.0	18045	34.5			8218	15.7	9253	17.7	17471	33.4
1970-1974	60905	100	2745	4.6	1726	2.8	11777	19.3	1274	2.1	1852	3.0	19374	31.8			10448	17.2	11311	18.6	21759	35.8
1975-1979	59711	100	2364	4.2	1328	2.2	11751	19.7	1458	2.4	2208	3.7	19109	32.2			10033	16.8	11947	20.0	21980	36.8
1980-1984	70825	100	3327	4.8	1210	1.7	11897	16.8	906	1.3	2007	2.8	19347	27.4			18592	26.3	11209	15.8	29801	42.1
1985-1989	79058	100	3367	4.2	972	1.2	13106	16.6	451	0.6	2824	3.6	20720	26.2			18272	23.1	12296	15.6	30568	38.7
1980	63741	100	2862	4.6	1620	2.5	11122	17.4	1189	1.9	2001	3.1	18794	29.5			12429	19.5	12302	19.3	24731	38.8
1981	69125	100	2941	4.4	1440	2.1	15646	22.6	911	1.3	2076	3.0	23014	33.4			13779	19.9	11309	16.4	25088	36.3
1982	66436	100	2976	4.4	840	1.3	11963	18.0	805	1.2	1329	2.0	17913	26.9			16695	25.1	10427	15.7	27122	40.8
1983	66460	100	3423	5.0	1038	1.6	7771	11.7	850	1.3	1962	3.0	15044	22.6			21317	32.1	10028	15.1	31345	47.2
1984	88364	100	4431	4.8	1110	1.3	12982	14.7	775	0.9	2668	3.0	21966	24.7			28740	32.5	11977	13.6	40717	46.1
1985	79863	100	3644	4.6	1010	1.3	13432	16.8	583	0.7	2249	2.8	20918	26.2			19066	23.9	12823	16.1	31889	40.0
1986	70107	100	2909	4.2	638	0.9	9731	13.9	443	0.6	1870	2.7	15591	22.3			16281	23.2	12260	17.5	28541	40.7
1987	81140	100	3968	4.8	1025	1.3	14760	18.2	465	0.6	3443	4.2	23661	29.1			19520	24.1	11386	14.0	30906	38.1
1988	84288	100	3257	3.8	1417	1.7	15412	18.3	396	0.5	3137	3.7	23619	28.0			19076	22.6	12744	15.1	31820	37.7
1989	79892	100	3058	3.6	769	1.0	12196	15.3	369	0.5	3420	4.3	19812	24.7			17418	21.8	12268	15.4	29686	37.2
1990 f	86935	100	3156	3.7	806	0.9	15499	17.8	369	0.4	3591	4.1	23421	26.9			20734	23.9	12141	14.0	32875	37.9
1991 f	91593	100	3657	3.9	1025	1.1	16200	17.7	401	0.4	3996	4.4	25279	27.5			22720	24.8	11741	12.8	34461	37.6

SEASON BEGINNING AUGUST 1	WEST EUROPE TOTAL[g]		ASIA & OCEANIA										AFRICA							
			INDIA		PAKISTAN		TURKEY		OTHER[h]		TOTAL		EGYPT		SUDAN		OTHER[i]		TOTAL	
	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%
1950-1954	230	0.6	3432	8.9	1330	3.5	642	1.7	727	1.9	6131	16.0	1713	4.5	387	1.0	1110	2.9	3210	8.4
1955-1959	525	1.2	4012	9.1	1381	3.1	763	1.7	1114	2.5	7270	16.4	1815	4.1	499	1.1	1364	3.1	3678	8.3
1960-1964	828	1.7	4769	9.8	1663	3.4	1118	2.3	1467	3.0	9017	18.5	2043	4.2	690	1.4	1425	2.9	4158	8.5
1965-1969	761	1.5	4850	9.3	2268	4.3	1787	3.4	1791	3.4	10696	20.4	2196	4.2	942	1.8	2184	4.2	5322	10.2
1970-1974	791	1.3	5410	8.9	2993	4.9	2379	3.9	2311	3.8	13093	21.5	2259	3.7	1051	1.7	2578	4.2	5888	9.6
1975-1979	789	1.3	5700	9.5	2536	4.2	2291	3.8	2288	3.8	12815	21.3	1928	3.2	660	1.1	2430	4.1	5018	8.4
1980-1984	823	1.2	6756	9.5	3480	4.9	2369	3.3	2772	3.9	15377	21.6	2101	3.0	814	1.1	2563	3.6	5478	7.7
1985-1989	1336	1.7	8458	10.7	6322	8.0	2608	3.3	3116	3.9	20505	25.9	1643	2.1	648	0.8	3638	4.6	5929	7.5
1980	821	1.3	6256	9.8	3281	5.1	2297	3.6	2271	3.6	14105	22.1	2428	3.8	446	0.7	2416	3.8	5290	8.3
1981	878	1.3	6559	9.5	3435	5.0	2242	3.2	2729	3.9	14965	21.6	2293	3.3	712	1.0	2175	3.1	5180	7.4
1982	715	1.1	6481	9.8	3783	5.7	2246	3.4	2711	4.1	15221	23.0	2115	3.2	959	1.4	2391	3.6	5465	8.2
1983	774	1.2	6122	9.2	2271	3.4	2398	3.6	2908	4.4	13699	20.6	1838	2.8	1021	1.5	2739	4.1	5598	8.4
1984	929	1.1	8360	9.5	4630	5.2	2664	3.0	3240	3.7	18894	21.4	1833	2.1	933	1.1	3092	3.5	5858	6.7
1985	1067	1.3	9021	11.3	5586	7.0	2379	3.0	3369	4.2	20355	25.5	1999	2.5	651	0.8	2984	3.7	5634	7.0
1986	1339	1.9	7254	10.3	6059	8.6	2376	3.4	2786	4.0	18475	26.3	1850	2.6	748	1.1	3563	5.1	6161	8.8
1987	1178	1.5	7140	8.8	6741	8.3	2465	3.0	2916	3.6	19262	23.7	1615	2.0	622	0.8	3896	4.8	6133	7.6
1988	1587	1.9	8276	9.8	6547	7.8	2986	3.5	3214	3.8	21023	24.9	1426	1.7	637	0.8	4176	5.0	6239	7.5
1989	1507	1.9	10599	13.3	6679	8.4	2834	3.5	3296	4.1	23408	29.3	1324	1.7	584	0.7	3571	4.5	5479	6.9
1990 f	1362	1.6	8979	10.3	7513	8.6	3031	3.5	4013	4.6	23536	27.0	1359	1.6	379	0.4	4003	4.6	5741	6.6
1991 f	1272	1.4	10425	11.4	7655	8.4	2711	3.0	3852	4.2	24643	27.0	1268	1.4	303	0.3	4367	4.8	5938	6.5

SOURCE: International Cotton Advisory Committee, ***Cotton: World Statistics,*** Vol. 45, No. 1, October 1991

a. Bales expressed as 480 pound net weight

b. Baleages are principally from El Salvador, Guatemala & Nicaragua

c. Baleages are principally from Argentina, Colombia, Paraguay & Peru

d. Figures include baleages for North Korea & Vietnam

e. Figures include nominal baleages for Albania, Bulgaria & Yugoslavia

f. Data are preliminary

g. Baleages are principally from Greece & Spain

h. Baleages are principally from Australia, Iran, Israel & Syria

i. Burkina Faso, Ivory Coast, Mali, South Africa, Tanzania & Zimbabwe are leading producing countries

TABLE 4:
WORLDWIDE RAW COTTON CONSUMPTION BY CONSUMING COUNTRIES
THOUSAND BALES & *PERCENT* [a]

SEASON	WORLD		NORTH & SOUTH AMERICA												CHINA PRC & E. EUROPE					
BEGINNING	TOTAL		BRAZIL		MEXICO		U.S.A.		OTHER N.A.		OTHER S.A.		TOTAL		CHINA [b]		E. EUROPE [c]		TOTAL	
AUGUST 1	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%
1950-1954	37166	*100*	873	*2.4*	339	*0.9*	9317	*25.1*	423	*1.1*	803	*2.2*	11755	*31.7*	4460	*12.0*	6222	*16.7*	10682	*28.7*
1955-1959	44222	*100*	1093	*2.5*	472	*1.1*	8709	*19.7*	426	*1.0*	971	*2.2*	11671	*26.5*	7220	*16.3*	7793	*17.6*	15013	*33.9*
1960-1964	47384	*100*	1264	*2.7*	537	*1.1*	8704	*18.4*	548	*1.2*	1060	*2.2*	12113	*25.6*	5869	*12.4*	9142	*19.3*	15011	*31.7*
1965-1969	53813	*100*	1271	*2.3*	677	*1.3*	8939	*16.6*	604	*1.1*	1178	*2.2*	12669	*23.5*	8541	*15.9*	10655	*19.8*	19196	*35.7*
1970-1974	58805	*100*	1624	*2.8*	772	*1.3*	7513	*12.8*	569	*1.0*	1368	*2.3*	11846	*20.2*	11094	*18.9*	11634	*19.8*	22728	*38.7*
1975-1979	62057	*100*	2289	*3.8*	768	*1.2*	6653	*10.7*	552	*0.9*	1411	*2.3*	11673	*18.9*	12418	*20.0*	11810	*19.0*	24228	*39.0*
1980-1984	67013	*100*	2628	*4.3*	636	*0.9*	5627	*8.4*	566	*0.8*	1208	*1.8*	10665	*16.2*	16118	*24.1*	11360	*17.0*	27478	*41.1*
1985-1989	83053	*100*	3535	*4.2*	679	*0.8*	7602	*9.2*	601	*0.7*	1761	*2.1*	14178	*17.0*	20195	*24.3*	12372	*14.9*	32567	*39.2*
1980	65281	*100*	2601	*3.9*	759	*1.2*	5891	*9.0*	579	*0.9*	1209	*1.9*	11039	*16.9*	15198	*23.3*	11713	*17.9*	26911	*41.2*
1981	65090	*100*	2631	*3.8*	708	*1.1*	5264	*8.1*	472	*0.7*	1083	*1.7*	10158	*15.4*	16505	*25.4*	11170	*17.2*	27675	*42.6*
1982	66535	*100*	2603	*4.1*	630	*0.9*	5513	*8.3*	583	*0.9*	1090	*1.6*	10419	*15.8*	16809	*25.3*	10919	*16.4*	27728	*41.7*
1983	67353	*100*	2553	*3.9*	528	*0.8*	5926	*8.8*	622	*0.9*	1304	*1.9*	10933	*16.3*	15899	*23.6*	11103	*16.5*	27002	*40.1*
1984	69392	*100*	2753	*4.1*	556	*0.8*	5540	*8.0*	575	*0.8*	1412	*2.0*	10836	*15.7*	16177	*23.3*	11896	*17.1*	28073	*40.4*
1985	76070	*100*	3180	*4.3*	634	*0.8*	6399	*8.4*	609	*0.8*	1533	*2.0*	12355	*16.3*	19079	*25.1*	12423	*16.3*	31502	*41.4*
1986	83793	*100*	3485	*4.3*	550	*0.7*	7452	*8.9*	600	*0.7*	1792	*2.1*	13879	*16.7*	21141	*25.2*	12604	*15.0*	33745	*40.2*
1987	83500	*100*	3727	*4.6*	683	*0.8*	7617	*9.1*	597	*0.7*	1794	*2.1*	14418	*17.3*	20230	*24.2*	12279	*14.7*	32509	*38.9*
1988	85352	*100*	3774	*4.4*	778	*0.9*	7782	*9.1*	595	*0.7*	1841	*2.2*	14770	*17.3*	20698	*24.3*	12440	*14.6*	33138	*38.9*
1989	86552	*100*	3507	*4.0*	751	*0.9*	8759	*10.1*	602	*0.7*	1844	*2.1*	15463	*17.8*	19827	*22.9*	12113	*14.0*	31940	*36.9*
1990 g	86377	*100*	3325	*3.9*	768	*0.9*	8500	*9.8*	576	*0.7*	1929	*2.2*	15098	*17.5*	20590	*23.8*	10712	*12.4*	31302	*36.2*
1991 g	88406	*100*	3400	*3.9*	806	*0.9*	8500	*9.6*	544	*0.6*	2092	*2.4*	15342	*17.4*	21628	*24.5*	10073	*11.4*	31701	*35.9*

SEASON	WEST EUROPE [d]		ASIA & OCEANIA																AFRICA	
BEGINNING	TOTAL		INDIA		PAKISTAN		TURKEY		JAPAN		KOREA		TAIWAN		OTHER [e]		TOTAL		TOTAL [f]	
AUGUST 1	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%	BALES	%
1950-1954	6909	*18.6*	3731	*10.0*	334	*0.9*	319	*0.9*	2013	*5.4*	143	*0.4*	82	*0.2*	738	*2.0*	7360	*19.8*	460	*1.2*
1955-1959	7155	*16.2*	4407	*10.0*	945	*2.1*	503	*1.1*	2590	*5.9*	257	*0.6*	143	*0.3*	856	*1.9*	9701	*21.9*	682	*1.5*
1960-1964	7163	*15.1*	4906	*10.4*	1199	*2.5*	552	*1.2*	3331	*7.0*	296	*0.6*	254	*0.5*	1523	*3.2*	12061	*25.4*	1036	*2.2*
1965-1969	6512	*12.1*	5078	*9.4*	1668	*3.1*	732	*1.4*	3340	*6.2*	408	*0.8*	408	*0.8*	2178	*4.0*	13812	*25.7*	1624	*3.0*
1970-1974	5897	*10.0*	5414	*9.2*	2184	*3.7*	971	*1.7*	3471	*5.9*	609	*1.0*	643	*1.1*	2844	*4.8*	16136	*27.4*	2198	*3.7*
1975-1979	5534	*8.9*	5697	*9.2*	1987	*3.2*	1358	*2.2*	3240	*5.2*	1178	*1.9*	972	*1.6*	3557	*5.7*	17989	*29.0*	2633	*4.2*
1980-1984	5461	*8.1*	6410	*9.6*	2339	*3.5*	1601	*2.4*	3284	*4.9*	1564	*2.3*	1179	*1.8*	3862	*5.8*	20238	*30.3*	2876	*4.3*
1985-1989	6416	*7.7*	7911	*9.5*	3652	*4.4*	2394	*2.9*	3330	*4.0*	1969	*2.4*	1871	*2.3*	5526	*6.7*	26650	*32.2*	3244	*3.9*
1980	5215	*8.0*	6258	*9.6*	2119	*3.2*	1344	*2.1*	3286	*5.0*	1477	*2.3*	1052	*1.6*	3635	*5.6*	19171	*29.4*	2945	*4.5*
1981	5103	*7.8*	5837	*9.0*	2334	*3.6*	1429	*2.2*	3383	*5.2*	1536	*2.4*	1091	*1.7*	3712	*5.7*	19322	*29.8*	2832	*4.4*
1982	5470	*8.2*	6259	*9.4*	2426	*3.6*	1555	*2.3*	3291	*4.9*	1553	*2.3*	1164	*1.7*	3965	*6.0*	20213	*30.2*	2705	*4.1*
1983	5662	*8.4*	6580	*9.8*	2311	*3.4*	1773	*2.6*	3277	*4.9*	1617	*2.4*	1245	*1.8*	4103	*6.1*	20906	*31.0*	2850	*4.2*
1984	5857	*8.4*	7118	*10.3*	2503	*3.6*	1903	*2.7*	3181	*4.6*	1637	*2.4*	1341	*1.9*	3897	*5.6*	21580	*31.1*	3046	*4.4*
1985	6070	*8.0*	7183	*9.4*	2449	*3.2*	1938	*2.5*	3098	*4.1*	1811	*2.4*	1977	*2.6*	4508	*5.9*	22964	*30.1*	3179	*4.2*
1986	6771	*8.1*	7819	*9.3*	3214	*3.8*	2393	*2.9*	3430	*4.1*	1874	*2.2*	2216	*2.6*	5283	*6.3*	26229	*31.2*	3169	*3.8*
1987	6664	*8.0*	7843	*9.4*	3564	*4.3*	2531	*3.0*	3430	*4.1*	1994	*2.4*	1859	*2.2*	5467	*6.5*	26688	*31.9*	3221	*3.9*
1988	6265	*7.3*	8093	*9.5*	3968	*4.6*	2535	*3.0*	3485	*4.1*	2090	*2.4*	1753	*2.1*	6056	*7.1*	27980	*32.8*	3199	*3.7*
1989	6308	*7.3*	8615	*10.0*	5063	*5.8*	2571	*3.0*	3205	*3.7*	2075	*2.4*	1548	*1.8*	6314	*7.3*	29391	*34.0*	3450	*4.0*
1990 g	6284	*7.3*	9051	*10.5*	5775	*6.7*	2480	*2.9*	2940	*3.4*	2000	*2.3*	1419	*1.6*	6560	*7.6*	30225	*35.0*	3468	*4.0*
1991 g	6330	*7.2*	9323	*10.5*	6300	*7.1*	2604	*2.9*	2764	*3.1*	2040	*2.3*	1391	*1.6*	7078	*8.0*	31500	*35.5*	3533	*4.0*

SOURCE: International Cotton Advisory Committee, ***Cotton: World Statistics,*** Vol. 45, No. 1, October 1991.

a. As 480 pound bales.

b. Includes nominal baleages for North Korea.

c. Principally U.S.S.R.

d. Principally Italy and West Germany.

e. Hong Kong, Indonesia & Thailand are major consumers.

f. Egypt is a major consumer.

g. Data are preliminary.

TABLE 5:
SUPPLY AND DISTRIBUTION OF DOMESTIC & FOREIGN RAW COTTON IN THE U.S. FOR THE SEASONS BEGINNING AUGUST 1ST

THOUSAND RUNNING BALES[a]

SUPPLY & DISTRIBUTION	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991[b]
SUPPLY												
BEGINNING STOCK (AUGUST 1ST)	3000	2668	6632	7937	2775	4102	9348	5026	5771	7092	3000	2200
NET IMPORTS	28	26	20	12	24	33	3	2	5	2	2	2
U.S PRODUCTION (GINNINGS)[c]	10991	15380	} 11963	7771	12982	13432	9731	14760	15411	12196	15499	17648
CITY CROP (EST)[d]	131	266										
TOTAL SUPPLY	**14150**	**18340**	**18615**	**15720**	**15781**	**17567**	**19082**	**19788**	**21187**	**19290**	**18501**	**19850**
DISTRIBUTION												
NET EXPORTS	5926	6567	5207	6786	6215	1960	6684	6582	6148	7694	7900	7000
U.S. CONSUMPTION	5891	5264	5513	5926	5539	6413	7452	7617	7782	8759	8600	8800
ADJUSTMENT ITEM[e]	-335	-123	-42	233	-75	-154	-80	-182	165	-163	-199	-50
ENDING STOCK (JULY 31ST)	2668	6632	7937	2775	4102	9348	5026	5771	7092	3000	2200	4100
DIVIDED AS-												
PRIVATELY OWNED	1995	NO LONGER AVAILABLE										
GOVERNMENT CONTROLLED[f]	673											
TOTAL DISTRIBUTION	**14150**	**18340**	**18615**	**15720**	**15781**	**17567**	**19082**	**19788**	**21187**	**19290**	**18501**	**19850**

SOURCES: U.S. Department of Agriculture, ***Cotton and Wool Situation and Outlook Yearbook,*** CWS-65, August 1991, and the National Cotton Council Economic Services. For earlier years' data, see page 178 of the October 1967 ***Textile Organon*** and page 158 of the October 1978 issue.

a. Adjusted to 480-pound net weight bales.
b. Data estimated except for beginning stock.
c. Total ginnings within the crop year shown. Note that U.S. production given in the world tables on pages 287 and 288 also includes city crop, etc.
d. Consists of rebaled samples and pickings from cotton damaged by fire and weather (partially estimated).
e. The Census Bureau's difference between supply and distribution resulting from baleage destroyed, cotton in transit, etc.
f. Loan and pooled cotton under CCC and earlier programs.

TABLE 6:
U.S. CALENDAR YEAR IMPORTS & EXPORTS OF RAW COTTON & COTTON PRODUCTS

THOUSAND RUNNING BALES

PRODUCTS	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
IMPORTS											
RAW COTTON[a]	28	26	20	12	24	33	3	2	5	2	2
COTTON YARN	39	48	59	85	110	112	215	275	194	216	177
MANUFACTURED GOODS[b]	1650	1956	1869	2280	2943	3282	3980	4866	4414	4906	4981
TOTAL	**1717**	**2030**	**1948**	**2377**	**3077**	**3427**	**4198**	**5143**	**4613**	**5124**	**5160**
EXPORTS											
RAW COTTON[a]	5926	6567	5207	6786	6215	1960	6684	6582	6148	7694	7900
COTTON YARN	64	45	37	39	23	35	21	28	47	33	46
MANUFACTURED GOODS[b]	1037	720	528	418	406	409	572	621	688	1010	1317
TOTAL	**7027**	**7332**	**5772**	**7243**	**6644**	**2404**	**7277**	**7231**	**6883**	**8737**	**9263**
IMPORT BALANCE											
COTTON YARN + MANUFACTURED GOODS[b]	+588	+1239	+1363	+1908	+2624	+2950	+3602	+4492	+3873	+4079	+3795

SOURCES: U.S. Census Bureau and Department of Agriculture, ***Cotton and Wool Situation and Outlook Yearbook,*** CWS-65, August 1991 and International Cotton Advisory Committee, ***Cotton: World Statistics,*** Vol. 45, No. 1, October 1991.

Raw cotton data are actual bales. Cotton yarn and manufactured goods data are the USDA raw cotton equivalents of these imports and exports.

a. Raw cotton data are for the crop year.
b. Includes thread, twine, cordage, woven & knit cloth, all types of apparel, home furnishings and other items such as industrial belts and belting, bags, braids and narrow fabrics.

TABLE 7:
U.S. COTTON ACREAGE & YIELD

SEASON BEGINNING AUGUST 1	HARVESTED	YIELD [a]	PRODUCTION
	THOUSAND ACRES	LBS	THOUSAND BALES [b]
1980	13215	404	11122
1981	13841	542	15646
1982	9734	590	11963
1983	7348	508	7771
1984	10380	600	12982
1985	10229	630	13432
1986	8468	552	9731
1987	10035	706	14760
1988	11943	619	15412
1989	9538	614	12196
1990 [c]	11732	634	15499
1991 [d]	13200	589	16200

SOURCE: International Cotton Advisory Committee, ***Cotton: World Statistics***, Vol. 45, No. 1, October 1991.

a. Per harvested acre.

b. Production for the crop year in 480-pound net weight bales, regardless of when ginned. Does not include adjustment for city crop, etc.

c. Preliminary data.

d. International Cotton Advisory Committee estimate.

TABLE 8:
WORLDWIDE RAW WOOL PRODUCTION BY THE PRINCIPAL PRODUCING COUNTRIES [a]
MILLION POUNDS, GREASY BASIS & *PERCENT*

YEAR [b]	AUSTRALIA		NEW ZEALAND		SOUTH AFRICA [c]		ARGENTINA		URUGUAY		UNITED STATES		UNITED KINGDOM		TURKEY		E. EUROPE & CHINA [d]		ALL OTHERS		WORLD TOTAL	
	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%	LBS	%
1950 - 54 e	1202	27.6	419	9.6	272	6.2	401	9.2	193	4.4	289	6.6	96	2.2	76	1.7	667	15.3	745	17.2	4360	100
1955 - 59 e	1537	29.5	513	9.9	313	6.0	406	7.8	184	3.5	305	5.9	113	2.2	90	1.7	945	18.2	800	15.3	5206	100
1960 - 64 e	1713	30.2	607	10.7	304	5.4	413	7.3	187	3.3	295	5.2	127	2.2	98	1.7	1132	20.0	796	14.0	5672	100
1965 - 69 e	1836	30.8	717	12.0	301	5.0	454	7.6	181	3.0	222	3.7	123	2.1	100	1.7	1216	20.4	817	13.7	5967	100
1970 - 74 e	1764	30.5	681	11.8	246	4.3	410	7.1	138	2.4	169	2.9	106	1.8	110	1.9	1339	23.2	813	14.1	5776	100
1975 - 79 e	1567	26.6	707	12.0	230	3.9	385	6.5	145	2.5	113	1.9	106	1.8	122	2.1	1549	26.3	975	16.4	5899	100
1980 - 84 e	1614	25.2	816	12.7	239	3.7	358	5.6	173	2.7	106	1.7	116	1.8	146	2.3	1792	28.0	1040	16.3	6402	100
1985 - 89 e	2070	29.7	753	10.8	216	3.1	340	4.9	195	2.8	88	1.3	138	2.0	186	2.7	1815	26.1	1156	16.6	6958	100
1980	1543	24.6	840	13.4	231	3.7	375	6.0	179	2.8	108	1.7	115	1.8	134	2.1	1735	27.6	1025	16.3	6285	100
1981	1581	25.0	800	12.6	242	3.8	370	5.8	168	2.7	112	1.8	112	1.8	137	2.2	1797	28.4	1016	15.9	6335	100
1982	1548	24.4	818	12.9	249	3.9	357	5.6	181	2.9	108	1.7	110	1.7	137	2.2	1823	28.7	1018	16.0	6349	100
1983	1605	25.1	802	12.5	238	3.7	357	5.6	181	2.8	104	1.6	119	1.9	137	2.1	1830	28.6	1031	16.1	6404	100
1984	1795	27.0	822	12.4	236	3.6	331	5.0	157	2.4	97	1.5	123	1.9	187	2.8	1777	26.8	1111	16.6	6636	100
1985	1830	27.7	789	11.9	223	3.4	335	5.1	192	2.9	88	1.3	128	1.9	187	2.8	1720	26.0	1126	17.0	6618	100
1986	1962	29.0	772	11.4	205	3.0	331	4.9	198	2.9	86	1.3	130	1.9	187	2.8	1781	26.3	1115	16.5	6767	100
1987	2019	29.3	763	11.1	209	3.0	346	5.0	196	2.8	86	1.2	137	2.0	187	2.7	1812	26.3	1141	16.6	6896	100
1988	2114	29.8	752	10.6	218	3.1	362	5.1	183	2.6	90	1.3	143	2.0	187	2.6	1872	26.4	1176	16.5	7097	100
1989	2425	32.7	690	9.3	225	3.0	328	4.4	207	2.8	90	1.2	154	2.1	181	2.4	1892	25.5	1220	16.6	7412	100
1990 f	2401	32.6	668	9.1	236	3.2	322	4.4	205	2.8	90	1.2	159	2.2	187	2.5	1858	25.2	1246	16.8	7372	100
1991 f	2017	29.5	670	9.8	223	3.3	309	4.5	198	2.9	93	1.4	157	2.3	170	2.5	1777	26.0	1231	17.8	6845	100

SOURCE: The Commonwealth Secretariat, Economic Affairs Division, ***Wool Quarterly***.

a. Apparel plus carpet class shorn wool, as well as pulled wool and wool on skins, mostly at the shorn wool equivalent.

b. Calendar years for Northern Hemisphere nations, season beginning July first or October first for Southern Hemisphere countries.

c. Excludes Lesotho and South West Africa.

d. Includes Albania, Bulgaria, China, P.R.C., Czechoslovakia, East Germany, Hungary, Outer Mongolia, Poland, Romania, U.S.S.R. and Yugoslavia.

e. Five-year averages.

f. Preliminary estimates.

TABLE 9:
SUPPLY & DEMAND OF WOOL IN THE U.S.[a]
MILLION POUNDS, SCOURED BASIS

ITEM	1989	1990
MILL CONSUMPTION OF WOOL		
APPAREL	125.5	121.9
CARPET	14.1	13.5
SUBTOTAL ABOVE[b]	**139.6**	**135.4**
CONSUMED ON THE COTTON SYSTEM[c]	13.8	10.9
TOTAL RAW WOOL	**153.4**	**146.3**
REPROCESSED & REUSED	4.5	5.1
TOTAL ABOVE	**157.9**	**151.4**
WOOL CONTENT OF IMPORTS[d]		
YARN[e]	4.1	7.5
CLOTH[f]	14.3	15.1
TOPS[g]	31.7	35.9
BOTTOMS[h]	22.4	21.3
SUITS & COATS[i]	26.0	24.8
SWEATERS	48.3	34.3
OTHER APPAREL[j]	6.3	4.7
HOME TEXTILES[k]	0.9	1.0
INDUSTRIAL[l]	2.9	3.8
TOTAL IMPORTS	**156.9**	**148.4**
WOOL CONTENT OF EXPORTS[d]		
YARN[e]	0.4	0.4
CLOTH[f]	7.2	5.7
TOPS[g]	0.3	1.0
BOTTOMS[h]	5.0	6.4
SUITS & COATS[i]	6.5	8.4
SWEATERS	1.8	2.5
OTHER APPAREL[j]	1.9	2.4
HOME TEXTILES[k]	0.7	2.2
INDUSTRIAL[l]	22.6	15.2
TOTAL EXPORTS	**46.4**	**44.2**
NET IMPORTS	**110.5**	**104.2**
TOTAL DISAPPEARANCE	**268.4**	**255.6**
SUPPLY & DEMAND OF WOOL		
CARPET WOOL CONSUMPTION	14.1	13.5
OTHER WOOL CONSUMPTION	143.8	137.9
IMPORTS	156.9	148.4
EXPORTS	46.4	44.2
TOTAL	**268.4**	**255.6**
% IMPORTS	*58%*	*58%*

SOURCE: U.S. Department of Agriculture, ***Cotton & Wool Situation and Outlook Yearbook,*** CWS-65, August 1991.

- a. Calendar years.
- b. Agrees with ***Fiber Organon's*** Selected U.S. Monthly Fiber Data Tables.
- c. Raw wool consumed on the cotton spinning system.
- d. Excludes carpets & rugs.
- e. Includes thread, cordage & rope.
- f. Includes broadwoven and knit fabrics.
- g. Includes shirts & blouses, dresses, underwear, infantswear & playsuits.
- h. Includes skirts, trousers, slacks & shorts.
- i. Includes suits, suit-type coats & coats.
- j. Includes handkerchiefs, gloves & mittens, hosiery and miscellaneous apparel.
- k. Includes blankets, bedsheets, pillowcases, tablecloths, placemats, napkins, bathroom & kitchen toweling, bedspreads & quilts.
- l. Includes narrow, industrial and miscellaneous fabrics.

FOR 1989 AND 1990, DATA ARE BASED ON A STUDY PUBLISHED BY THE U.S. DEPARTMENT OF AGRICULTURE, BASED ON THE HARMONIZED SYSTEM. THERE IS NO COMPARISON WITH PREVIOUS SERIES FOR PRIOR YEARS. DATA FOR 1978 THROUGH 1988 ARE REPORTED ON PAGE 272 OF THE DECEMBER 1990 *FIBER ORGANON* ISSUE. FOR EARLIER YEARS DATA, PLEASE SEE EARLIER DECEMBER EDITIONS.

NOVEMBER 1991 CAPACITY SURVEY ANALYSIS

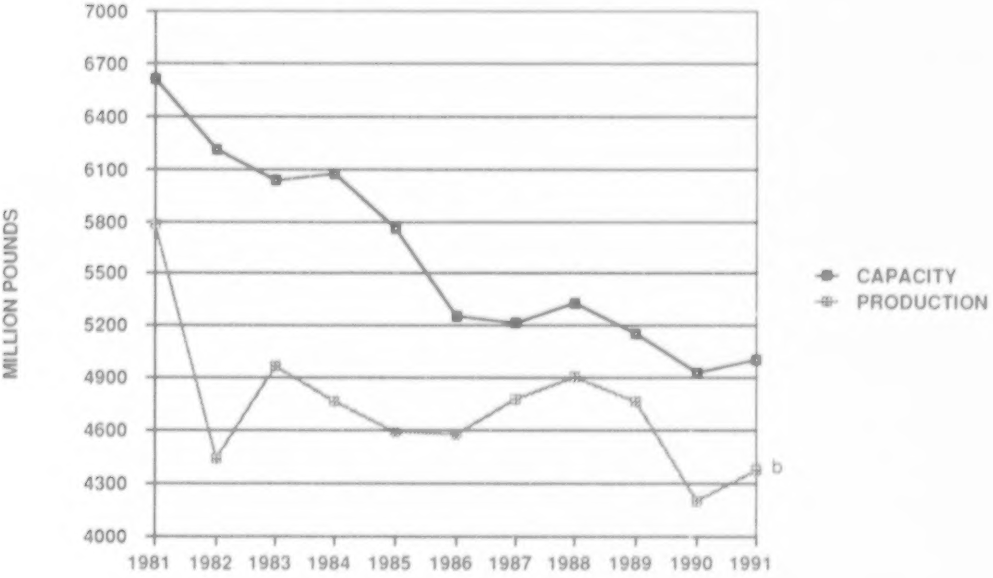
Total producing capacity for all manufactured fibers (except glass fiber) increased by 152 million pounds, or 1.5% from 1990 levels, to reach 10,507 million pounds. Most of the increase was in capacity for synthetic (noncellulosic) fiber which rose 148 million pounds to reach 9,962 million pounds, while capacity for artificial (cellulosic) fiber increased 4 million pounds to reach 545 million pounds.

Since the November 1990 Survey, synthetic (noncellulosic) filament capacity increased 50 million pounds to reach 5,176 million pounds. Within this category, polyester textile capacity gained 28 million pounds, while nylon carpet capacity decreased 15 million pounds. (See Table 11)

In the same period, producing capacity for synthetic (noncellulosic) staple+tow increased 98 million pounds. The capacities for polyester staple increased 25 million pounds and olefin staple rose by 35 million pounds, while nylon staple decreased by 3 million pounds and acrylic+modacrylic staple rose by 41 million pounds or 9%.

Producing capacity and production of five major apparel fibers increased since 1990, but remain well below their 1981 levels. Since 1981, the producing capacity of apparel fiber has fallen 24% to 5,008 million pounds and production has declined 24% to 4,378 million pounds.

GRAPH 1:
APPAREL FIBER PRODUCTION VS. CAPACITY [a]



a. Data are based on textile nylon, textile polyester, polyester staple, acrylic+modacrylic and artificial (cellulosic) yarn+staple. The figures include some production and capacity for polyester staple and acrylic carpet yarn, and industrial rayon.

b. 1991 production data based on 11 months annualized.

TABLE 10:
U.S. MANUFACTURED FIBER PRODUCTION & PRODUCING CAPACITY
MILLION POUNDS

	ARTIFICIAL (CELLULOSIC) FIBERS							SYNTHETIC (NONCELLULOSIC) FIBERS [a]			GRAND TOTAL MANUFACTURED FIBERS EXCLUDING GLASS FIBER			NON-ADD GLASS FIBER [d]
	FILAMENT YARN+MONOFIL			STAPLE+TOW										
PERIOD	RAYON	ACETATE [b]	TOTAL	RAYON	ACETATE [b]	TOTAL	TOTAL	YARN +MONO	STAPLE +TOW	TOTAL	YARN +MONO [c]	STAPLE +TOW	TOTAL	
ACTUAL ANNUAL PRODUCTION														
1979	57	317	374	549	7	556	930	4155	4282	8437	4529	4838	9367	1014
1980	47	309	356	443	7	450	806	3744	4148	7892	4100	4598	8698	867
1981	48	257	305	461	4	465	770	3815	4191	8006	4120	4656	8776	1041
1982	33	195	228	355	1	356	584	3057	3403	6460	3285	3759	7044	899
1983	36	228	264	375	1	376	640	3568	3970	7538	3832	4346	8178	1169
1984	41	198	239	389	*	389	628	3525	3947	7472	3764	4336	8100	1394
1985			205 g			353 g	558	3790	3773	7563	3995	4126	8121	NA
1986			215 g			404 g	619	3836	3992	7828	4051	4396	8447	NA
1987			191 g			414 g	605	4010	4306	8316	4201	4720	8921	NA
1988			214 g			400 g	614	4180	4346	8526	4394	4746	9140	NA
1989			218 g			363 g	581	4225	4290	8515	4443	4653	9096	NA
1990			206 g			299 g	505	4194	3991	8185	4400	4290	8690	NA
ACTUAL & PROJECTED CAPACITY, ANNUAL RATE, AS OF -														
NOV 1979 e	75	355	430	671	8	679	1109	5106	4678	9784	5536	5357	10893	1305
NOV 1980 e	63	324	387	514	8	522	909	4913	4714	9627	5300	5236	10536	1473
NOV 1981 e	52	332	384	509	5	514	898	4746	4950	9696	5130	5464	10594	1561
NOV 1982 e	63	318	381	510	4	514	895	4553	4781	9334	4934	5295	10229	1718
NOV 1983 e	63	268	331	510	4	514	845	4447	4827	9274	4778	5341	10119	1618
NOV 1984 e	63	268	331	510	4	514	845	4479	4981	9460	4810	5495	10305	1743
NOV 1985 e			269 g	510	5	515	784	4668	4890	9558	4937	5405	10342	1769
NOV 1986 e			244 g			465 g	709	4545	4662	9207	4789	5127	9916	1763
NOV 1987 e			244 g			465 g	709	4557	4793	9350	4801	5258	10059	1642
NOV 1988 e			244 g			469 g	713	4743	4849	9592	4987	5318	10305	1729
NOV 1989 e			232 g			492 g	724	4918	4755	9673	5150	5247	10397	1822
NOV 1990 e			219 g			322 g	541	5126	4688	9814	5345	5010	10355	1824
NOV 1991 e			220 g			325 g	545	5176	4786	9962	5396	5111	10507	1818
MAY 1992 f			220 g			325 g	545	5218	4772	9990	5438	5097	10535	1842
NOV 1992 f			220 g			325 g	545	5278	4775	10053	5498	5100	10598	1844
MAY 1993 f			220 g			325 g	545	5311	4799	10110	5531	5124	10655	2012
NOV 1993 f			220 g			325 g	545	5339	4803	10142	5559	5128	10687	2072

NA No longer available

a. Included are those listed in the November *Fiber Organon* issue, with the exception of Aramid fiber as of November 1983. Yarn+mono includes olefin film fiber and spunbonded polypropylene. Staple+tow includes fiberfill.

b. Data include diacetate and triacetate. The acetate staple+tow data do not include the large quantities for cigarette filtration.

c. Grand Total Yarn means the yarn+mono shown, excluding glass fiber.

d. Glass fiber, all types.

e. Actual producing capacity as of the date shown.

f. Future producing capacity planned for certain dates as of MAY 1992.

g. Detail withheld due to disclosure of company data.

TABLE 11:
SYNTHETIC (NONCELLULOSIC) FIBER CAPACITY DETAIL
MILLION POUNDS & *AVERAGE DENIER*

PERIOD	FILAMENT YARN, MONOFIL & OLEFIN FILM FIBER											STAPLE, TOW & FIBERFILL					SYNTHETIC (NONCELLU-LOSIC) TOTAL
	NYLON+ARAMID				POLYESTER			OLEFIN [a]				NYLON + ARAMID	ACRYL +MOD ACRYL	POLY-ESTER	OLEFIN + VINYON [e]	TOTAL	
			TEXTILE			TEXTILE											
	IND	CARP	LBS	DEN	IND	LBS	DEN	YARN	MONO[b]	FILM [b]	TOTAL						
NOV 1979 c	513	950	579	*51*	443	1699	*114*	172	342	408	5106	1020	839	2673	146	4678	9784
NOV 1980 c	515	910	551	*52*	400	1637	*113*	120	350	430	4913	991	830	2759	134	4714	9627
NOV 1981 c	514	893	553	*49*	316	1481	*114*	178	356	455	4746	1010	835	2839	266	4950	9696
NOV 1982 c	474	925	513	*53*	338	1265	*119*	209	369	460	4553	978	832	2700	271	4781	9334
NOV 1983 c	440	907	494	*52*	337	1170	*122*	240	375	484	4447	1017	826	2704	280	4827	9274
NOV 1984 c	437	926	470	*57*	342	1162	*121*	270	386	486	4479	1054	807	2784	336	4981	9460
NOV 1985 c	437	965	466	*53*	374	1097	*126*	304	412	613	4668	1067	631	2785	407	4890	9558
NOV 1986 c	435	964	398	*51*	401	1021	*123*	286	407	633	4545	1077	637	2491	457	4662	9207
NOV 1987 c	418	1005	404	*49*	399	929	*121*	342	393	667	4557	1137	652	2522	482	4793	9350
NOV 1988 c	421	1053	423	*49*	408	968	*121*	392	399	679	4743	1137	642	2584	486	4849	9592
NOV 1989 c	420	1168	430	*48*	420	900	*115*	491	405	684	4918	1150	641	2464	500	4755	9673
NOV 1990 c	377	1197	450	*49*	433	908	*115*	579	501	681	5126	1144	446	2578	520	4688	9814
NOV 1991 c	383	1182	437	*48*	438	936	*122*	659	464	677	5176	1141	487	2603	555	4786	9962
MAY 1992 d	383	1220	460	*48*	465	936	*122*	606	462	686	5218	1118	490	2603	561	4772	9990
NOV 1992 d	383	1220	470	*49*	466	956	*123*	631	463	689	5278	1118	493	2603	561	4775	10053
MAY 1993 d	383	1220	488	*49*	466	956	*123*	646	463	689	5311	1118	497	2603	581	4799	10110
NOV 1993 d	383	1225	488	*49*	469	956	*123*	648	481	689	5339	1118	501	2603	581	4803	10142

NOTE: As of the November 1983 survey, nylon capacity data no longer include Aramid Fiber.

IND Industrial yarn and monofil, i.e., 500 denier & coarser, with an Instron tenacity of 7 grams per denier or more.

CARP Bulked continuous filament yarn for carpets.

TEXTILE Yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

a. Includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles, film fiber used for decorative or tying ribbons, etc.

b. Includes the circular and rectangular (ribbon) cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated fiber.

c. Actual producing capacity as of date shown.

d. Future producing capacity planned for certain dates as of MAY 1992.

e. Data since November 1986 do not include Vinyon.

SURVEY COVERAGE & DEFINITIONS

The survey figures shown in the table above cover the manufactured fibers in all their primary forms; i.e., filament yarn, monofilaments, polypropylene spunbonded and film fiber are tabulated as filament yarn, while staple, tow and fiberfill are tabulated as staple. The glass fiber data cover all primary forms of that fiber (yarn and strand, staple yarn and sliver, roving and cake, chopped and milled fiber and mat) although only an aggregate figure is published to avoid disclosure of individual company data. **Glass fiber data are no longer included with the filament yarn totals. The data were last published in the December 1984 issue.** The "capacity" to produce waste is **not** included in this survey.

Capacity is based on the current and projected "mix" of deniers, filament counts, packages, etc. It is **emphasized** that all figures refer to ***current*** and ***planned*** capacity. **They are not to be interpreted as a production forecast.**

Under the survey definitions, all productive equipment which is currently, or is planned to be, in operable condition is counted as capacity, regardless of whether it is actually producing fiber at the time the capacity measurement is taken. Equipment which is definitely scheduled for scrapping, or which has been scrapped since the last survey, is excluded from the capacity tabulation. The capacity data reflect ***potential***, rather than ***operating*** capacity.

TABLE 12:
WORLDWIDE MANUFACTURED FIBER PRODUCTION & PRODUCING CAPACITY EXCEPT OLEFIN

MILLION POUNDS

MANUFACTURED FIBER PRODUCTION

YEAR	WORLD TOTAL		U.S.A.		WEST EUROPE		EAST EUROPE		JAPAN		CHINA P.R.C.		KOREA REP. OF		TAIWAN		REST OF WORLD	
	POUNDS	%	POUNDS	%	POUNDS	%	POUNDS	%	POUNDS	%	POUNDS	%	POUNDS	%	POUNDS	%	POUNDS	%
1985	33993	*100*	6872	*20*	6903	*20*	5645	*17*	3948	*12*	2013	*6*	1820	*5*	2525	*7*	4267	*13*
1986	34803	*100*	7054	*20*	6807	*20*	5784	*17*	3694	*11*	2051	*6*	1932	*6*	2981	*9*	4500	*11*
1987	36522	*100*	7427	*20*	6818	*19*	5937	*16*	3618	*10*	2277	*6*	2170	*6*	3331	*9*	4944	*14*
1988	38092	*100*	7552	*20*	6896	*18*	6142	*16*	3621	*10*	2750	*7*	2491	*7*	3430	*9*	5210	*13*
1989	38978	*100*	7457	*19*	6923	*18*	6067	*16*	3646	*9*	3104	*8*	2657	*7*	3683	*9*	5441	*14*
1990	39054	*100*	6868	*18*	6941	*18*	5743	*15*	3750	*9*	3314	*8*	2834	*7*	3901	*10*	5703	*15*

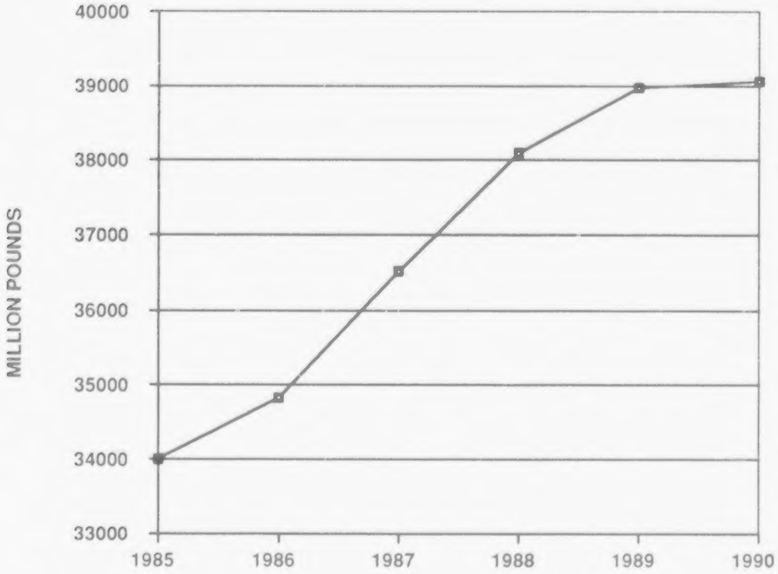
MANUFACTURED FIBER PRODUCING CAPACITY [a]

YEAR	WORLD TOTAL		U.S.A.		WEST EUROPE		EAST EUROPE		JAPAN		CHINA P.R.C.		KOREA REP. OF		TAIWAN		REST OF WORLD	
	POUNDS	%	POUNDS	%	POUNDS	%	POUNDS	%	POUNDS	%	POUNDS	%	POUNDS	%	POUNDS	%	POUNDS	%
1985	41017	*100*	8636	*21*	8102	*20*	7132	*18*	4607	*11*	2310	*6*	1773	*4*	2622	*6*	5835	*14*
1986	42187	*100*	8163	*19*	8116	*19*	7147	*17*	4776	*11*	2302	*6*	1981	*5*	3380	*8*	6322	*15*
1987	42812	*100*	8205	*19*	8189	*19*	7365	*17*	4778	*11*	2474	*6*	2034	*5*	3177	*8*	6590	*15*
1988	44958	*100*	8379	*19*	8293	*18*	7494	*17*	4750	*11*	2901	*6*	2398	*5*	3669	*8*	7074	*16*
1989	47461	*100*	8317	*18*	8188	*17*	7650	*16*	4649	*10*	3560	*8*	2702	*5*	4158	*9*	8237	*17*
1990	48454	*100*	8074	*17*	8393	*17*	7829	*16*	4613	*10*	3724	*8*	3043	*5*	4400	*9*	8378	*18*
1991	50529	*100*	8152	*16*	8483	*17*	7898	*16*	4684	*9*	4308	*9*	3301	*5*	4807	*10*	8896	*18*

SOURCE: ***Fiber Organon*** Worldwide Fiber Production & Producing Capacity Survey July 1991, and this issue page 294

a. Capacity as of November oi each year for the U.S.A and as of March of each year for the other areas

GRAPH 2:
WORLDWIDE MANUFACTURED FIBER PRODUCTION (EXCEPT OLEFIN)



GRAPH 3:
WORLDWIDE MANUFACTURED FIBER PRODUCING CAPACITY (EXCEPT OLEFIN)

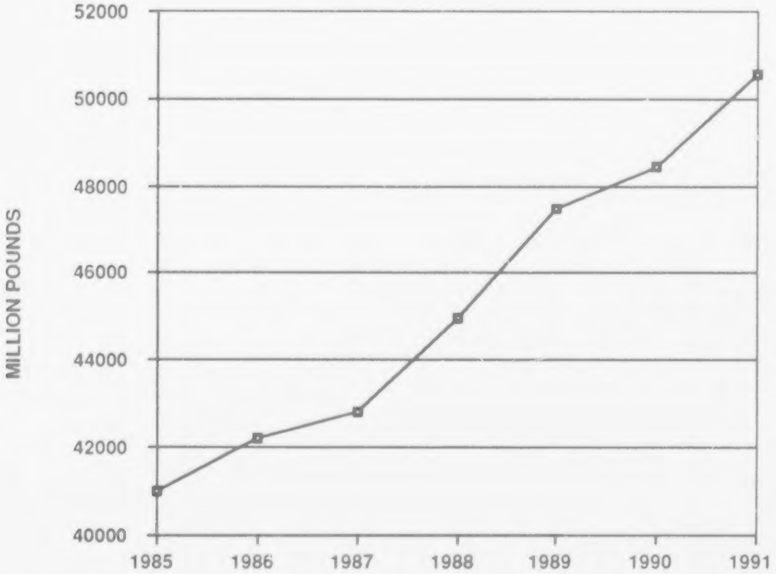


TABLE 13:
FILAMENT YARN DOMESTIC SHIPMENTS [a]
MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1990				1991			
		1987	1988	1989	1990	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY [b]	N	93.2	100.3	j	j	j	j	j	j	j	j	j	
OTHER CIRCULAR KNIT [c]	N	25.3	26.4	139.1	128.1	29.8	34.7	29.8	33.8	34.1	33.9	31.8	
	P	102.8	119.5	132.4	129.8	28.0	31.6	34.0	36.2	27.1	31.2	40.7	
	C	1.1	0.6	0.5	0.8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
FLAT KNIT	C	27.9	24.3	21.4	15.0	5.1	4.5	2.9	2.5	3.7	4.5	2.2	
	N	131.4	133.4	125.2	103.7	23.3	26.2	27.7	26.5	25.3	24.6	28.8	
	P	162.5	162.1	181.0	142.7	33.6	38.7	35.4	35.0	37.4	42.6	43.8	
CARPET FACE	N	916.0	938.3	932.3	948.7	239.6	232.1	232.6	244.4	177.4	236.6	258.1	
	O	244.5	266.6	249.9	360.4	84.7	89.5	95.5	90.7	90.4	107.4	112.2	
CARPET BACKING [d]	O	425.3	427.0	463.4	447.5	116.7	117.3	111.3	102.2	96.5	102.7	109.5	
OTHER BROAD WOVEN [e]	C	122.8	141.9	149.4	152.9	33.8	37.0	41.5	40.6	34.4	42.8	43.7	
	N	79.4	78.3	88.8	95.5	24.9	24.1	24.1	22.4	20.9	22.0	25.6	
	P	379.4	391.3	360.7	353.3	84.0	94.5	91.9	82.9	86.8	95.0	100.2	
	O	317.7	337.3	337.5	415.0	91.1	111.8	109.2	102.9	84.1	102.7	102.3	
NARROW WOVEN [f]	C	2.2	4.4	4.4	3.2	0.8	1.3	0.5	0.6	0.2	0.1	0.1	
	N	42.1	42.0	36.9	35.7	8.2	8.8	9.3	9.4	9.9	10.4	8.9	
	P	66.2	81.0	76.4	73.1	16.6	17.9	17.8	20.8	13.3	18.7	19.4	
	O	17.7	19.0	19.8	17.3	3.9	4.4	4.7	4.3	3.9	4.7	4.7	
TIRES, INCL. CHAFER [g]	N	143.0	132.2	135.7	128.2	31.0	32.8	32.4	32.0	34.5	30.5	28.5	
	P	162.8	171.8	174.9	167.2	41.2	42.9	40.4	42.7	37.4	39.7	37.8	
OTHER RUBBER INDUSTRY [c g]	N	16.4	20.4	18.1	19.1	5.0	4.6	4.3	5.2	5.1	4.7	4.8	
	P	34.5	25.2	32.7	40.7	8.4	13.0	9.4	9.9	8.4	9.9	8.9	
ROPE, CORDAGE & FISHLINE	N	37.9	36.4	34.2	39.2	9.5	9.3	9.9	10.5	8.8	9.9	8.9	
	P	13.4	12.5	14.4	15.1	4.0	3.8	3.8	3.5	3.4	2.7	3.8	
	O	106.7	120.3	125.6	120.8	28.6	30.6	25.2	36.4	26.3	26.1	22.3	
ALL OTHER [h]	C	12.8	11.4	11.6	0.8	0.2	0.3	0.2	0.1	0.2	0.1	0.1	
	N	69.6	64.7	65.0	39.3	11.2	10.6	7.7	9.8	11.1	14.2	12.6	
	P	191.8	194.0	138.2	124.3	25.9	29.5	27.2	41.7	35.3	43.9	32.7	
	O	23.6	29.6	29.8	43.9	10.8	11.8	10.6	10.7	10.8	9.4	10.3	
TOTAL ABOVE	C	**166.8**	**182.6**	**187.3**	**172.7**	**40.1**	**43.3**	**45.3**	**44.0**	**38.7**	**47.7**	**46.3**	
	N	**1554.3**	**1572.4**	**1575.3**	**1537.5**	**382.5**	**383.2**	**377.8**	**394.0**	**327.1**	**386.8**	**408.0**	
	P	**1113.4**	**1157.4**	**1110.7**	**1046.2**	**241.7**	**271.9**	**259.9**	**272.7**	**249.1**	**283.7**	**287.3**	
	O	**1135.5**	**1199.8**	**1226.0**	**1404.9**	**335.8**	**365.4**	**356.5**	**347.2**	**312.0**	**353.0**	**361.3**	
TOTAL DOMESTIC		**3970.0**	**4112.2**	**4099.3**	**4161.3**	**1000.1**	**1063.8**	**1039.5**	**1057.9**	**926.9**	**1071.2**	**1102.9**	
ALSO DIVIDED AS													
APPAREL		*930.2*	*941.2*	*924.7*	*846.7*	*191.6*	*216.6*	*210.8*	*227.7*	*218.0*	*240.9*	*241.5*	
HOME TEXTILES		*1838.4*	*1902.6*	*1927.2*	*2036.5*	*511.3*	*514.9*	*512.9*	*497.4*	*426.6*	*519.9*	*551.1*	
INDUSTRIAL		*1201.4*	*1268.4*	*1247.4*	*1278.1*	*297.2*	*332.3*	*315.8*	*332.8*	*282.3*	*310.4*	*310.3*	
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET) [i]													
NYLON		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	
POLYESTER		626.3	649.9	597.3	560.4	123.2	144.6	140.3	152.3	146.7	164.2	167.7	
CLEFIN		26.6	24.4	26.0	28.7	7.4	8.0	6.9	6.4	6.0	7.9	NA	

(C) ARTIFICIAL (CELLULOSIC) YARN *(N) NYLON* *(P) POLYESTER* *(O) OLEFIN*

NA No longer available.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small quantities of polyester and artificial (cellulosic) yarn are included in All Other.

c. Small quantities of olefin are included in All Other.

d. Small quantities of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Artificial (cellulosic) yarn quantities included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin quantities include sliver knit backing. Also includes indirect exports.

i. These quantities are included in the Total Domestic area above.

j. Nylon quantities are included in Other Circular Knit.

TABLE 14:
STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

		ANNUAL DATA				QUARTERLY DATA							
						1990				1991			
ITEM		1987	1988	1989	1990	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	192.4	183.2	174.5	139.7	41.0	32.0	32.2	34.5	30.1	38.0	32.4	
	NPR	3.5	2.7	2.1	2.4	0.6	0.5	0.6	0.7	0.6	0.4	0.7	
PILE FABRICS[b]	A	20.8	21.3	20.0	15.2	4.2	4.4	3.5	3.1	2.5	3.4	3.1	
	P	19.7	14.7	15.3	12.4	3.5	3.5	2.8	2.6	2.8	2.6	2.1	
OTHER CIRCULAR KNIT + FLAT KNIT[c]	R	3.7	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	A	185.1	139.0	132.4	109.0	32.5	33.8	25.0	16.7	24.4	25.4	26.6	
	P	453.3	470.0	519.5	485.3	123.4	129.1	117.8	115.0	109.4	123.0	121.3	
BLANKETS[b]	A	25.7	25.1	29.8	i	i	i	i	i	i	i	i	
	P	9.2	6.9	9.2	3.3	1.4	0.6	0.5	0.8	0.3	0.8	0.6	
OTHER BROAD WOVEN	R	230.7	243.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	N	38.7	35.2	32.7	26.9	6.2	8.6	7.0	5.1	j	j	j	
	A	41.7	39.3	40.5	50.7	13.4	13.7	11.6	12.0	10.9	14.1	14.2	
	P	839.2	863.5	821.8	687.4	165.7	172.8	172.0	176.9	156.3	162.4	175.3	
	O	20.2	17.1	21.6	18.3	5.2	4.4	4.9	3.8	8.6	9.6	9.8	
CARPET FACE YARNS[f]	R	+	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	N	905.1	887.7	894.9	896.8	230.2	227.9	223.4	215.3	162.2	202.0	216.4	
	P	209.0	261.2	211.6	166.5	48.0	40.1	40.4	38.0	38.2	58.8	60.5	
	O	116.2	138.2	137.7	127.4	34.2	33.7	31.4	28.1	23.9	32.2	33.2	
FIBERFILL[d]	P	348.6	357.2	349.5	376.3	90.6	91.4	93.4	100.9	96.5	107.5	113.1	
FLOCK	NP	5.5	6.9	7.5	9.6	1.9	2.6	2.2	2.9	3.3	2.7	3.1	
	R	0.9	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	
NONWOVENS[e]	R	124.4	122.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	N	1.9	2.1	2.4	2.9	0.6	0.7	0.9	0.7	j	j	j	
	P	204.2	244.1	271.5	239.9	54.4	60.0	59.8	65.7	57.1	58.0	61.8	
	O	198.0	180.9	194.8	232.5	52.2	61.8	57.6	60.9	63.1	66.8	70.4	
ALL OTHER	R	22.7	17.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	
	N	14.8	13.7	17.8	13.9	3.9	3.2	2.1	4.7	13.6	14.6	13.4	
	A	13.6	13.2	17.4	37.6	7.7	10.1	10.7	9.1	8.2	6.2	6.5	
	P	115.0	91.3	61.0	42.0	14.8	12.9	7.1	7.2	6.7	12.2	13.3	
	O	6.7	8.0	9.3	9.7	2.4	2.1	2.9	2.3	1.5	2.0	1.6	
TOTAL ABOVE	R	**383.1**	**386.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	
	N	**966.0**	**944.9**	**955.3**	**950.2**	**242.6**	**243.1**	**235.7**	**228.8**	**179.1**	**219.5**	**233.1**	
	A	**479.3**	**421.1**	**414.8**	**352.2**	**98.8**	**94.0**	**84.0**	**75.4**	**76.1**	**87.1**	**82.8**	
	P	**2201.0**	**2311.8**	**2261.3**	**2015.4**	**502.6**	**510.8**	**494.3**	**507.7**	**467.9**	**525.5**	**548.5**	
	O	**341.1**	**344.2**	**363.4**	**387.9**	**94.0**	**102.0**	**96.8**	**95.1**	**97.1**	**110.6**	**115.0**	
TOTAL DOMESTIC		**4370.5**	**4408.0**	**3994.8**	**3705.7**	**938.0**	**949.9**	**910.8**	**907.0**	**820.2**	**942.7**	**979.4**	
ALSO DIVIDED AS													
APPAREL		*1479.9*	*1421.6*	*1266.8*	*1061.6*	*278.8*	*274.0*	*259.0*	*249.8*	*236.2*	*263.8*	*261.2*	
HOME TEXTILES		*1755.8*	*1827.5*	*1695.7*	*1597.4*	*414.0*	*405.2*	*392.8*	*385.4*	*315.2*	*385.4*	*408.2*	
INDUSTRIAL		*1134.8*	*1158.9*	*1032.3*	*1046.7*	*245.2*	*270.7*	*259.0*	*271.8*	*268.8*	*293.5*	*310.0*	

(R) RAYON [h]   (N) NYLON   (A) ACRYLIC+MODACRYLIC   (P) POLYESTER   (O) OLEFIN [g]

NA No longer available.

a. Olefin quantities are included in All Other

b. Rayon and nylon quantities are included in All Other

c. Nylon quantities are included in All Other

d. Rayon, acrylic and nylon quantities are included in All Other

e. Wet & dry laid and needled batts only

f. Acrylic and nylon quantities are included in All Other

g. Data exclude Vinyon

h. Rayon staple+tow data no longer available in 1989-1991

i. Acrylic quantities are included in All Other.

j. Nylon quantities are included in All Other

TABLE 15:
U.S. MANUFACTURED FIBER IMPORTS[a]
THOUSAND POUNDS

	1991												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	311	129	212	316	231	83	77	311	298	842			2810	2098
TEXTURED	0	0	0	0	0	0	5	0	0	28			33	364
OTHER	1845	1514	1847	1999	1975	1809	1996	2300	2888	3080			21253	17079
MONOFILAMENTS & STRIPS	1	1	3	4	1	1	1	1	4	1			18	568
SUBTOTAL ABOVE	**2157**	**1644**	**2062**	**2319**	**2207**	**1893**	**2079**	**2612**	**3190**	**3951**			**24114**	**20109**
STAPLF	8891	7889	9419	5533	6391	8250	8359	7269	7549	6613			76163	86885
TOW	626	50	4	58	58	3	104	27	32	117			1079	4189
TOPS	0	0	0	0	0	0	0	0	0	7			7	7
SUBTOTAL ABOVE	**9517**	**7939**	**9423**	**5591**	**6449**	**8253**	**8463**	**7296**	**7581**	**6737**			**77249**	**91081**
WASTE	**87**	**129**	**0**	**695**	**177**	**275**	**321**	**89**	**128**	**38**			**1939**	**427**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	1173	2391	1704	2541	1923	1751	1450	1330	940	1175			16378	12933
TEXTURED														
UP TO 450 DENIER	198	350	232	285	478	302	535	336	377	542			3635	3049
OVER 450 DENIER	1197	1786	1557	1069	3421	3870	3037	3336	2638	3597			25508	26574
POY	2103	1563	3032	1981	2240	2740	2969	2577	2270	2210			23685	7698
OTHER	834	780	821	1828	1718	1726	2312	2544	2460	3184			18207	21488
MONOFILAMENTS & STRIPS	150	72	131	131	139	51	172	111	117	107			1181	1431
SUBTOTAL ABOVE	**5655**	**6942**	**7477**	**7835**	**9919**	**10440**	**10475**	**10234**	**8802**	**10815**			**88594**	**73173**
POLYESTER														
HIGH TENACITY	785	708	651	621	671	339	340	598	563	556			5832	5166
TEXTURED	833	810	561	622	642	455	383	476	684	643			6109	8991
POY	207	172	201	246	406	300	238	240	334	183			2527	4149
OTHER	1548	1439	2102	1371	1486	1064	1490	1943	1634	2499			16576	16367
MONOFILAMENTS & STRIPS	41	31	30	68	31	73	141	58	52	12			537	533
SUBTOTAL ABOVE	**3414**	**3160**	**3545**	**2928**	**3236**	**2231**	**2592**	**3315**	**3267**	**3893**			**31581**	**35206**
OTHER SYNTHETIC FILAMENT														
TEXTURED	248	105	164	174	107	103	194	132	84	105			1416	18158
OTHER	841	804	1233	1149	1260	870	1261	1372	859	1817			11466	2914
MONOFILAMENTS & STRIPS	532	570	374	561	441	635	690	856	637	837			6133	5612
SUBTOTAL ABOVE	**1621**	**1479**	**1771**	**1884**	**1808**	**1608**	**2145**	**2360**	**1580**	**2759**			**19015**	**26684**
STAPLE														
NYLON	1879	1788	1576	2330	2039	2057	2881	2247	2973	2823			22593	30855
POLYESTER	14049	15468	11687	12879	15989	14655	14125	14868	10860	20844			145424	97187
ACRYLIC	853	804	971	1640	1303	1403	1364	1098	1438	1379			12253	14649
POLYPROPYLENE	134	305	363	271	156	464	1093	782	93	58			3719	1438
OTHER	276	229	400	211	308	204	248	285	302	339			2802	2369
TOW														
NYLON	591	386	240	543	533	325	564	567	545	524			4818	4398
POLYESTER	35	272	35	150	46	132	10	107	35	91			913	870
ACRYLIC	2869	1898	1768	2227	1957	1438	1649	2058	1108	2440			19412	17680
OTHER	16	59	0	0	10	0	0	45	0	0			130	481
TOPS	149	5	42	115	72	154	189	66	289	574			1655	1919
SUBTOTAL ABOVE	**20851**	**21214**	**17082**	**20366**	**22413**	**20832**	**22123**	**22123**	**17643**	**29072**			**213719**	**171846**
WASTE														
NYLON	2030	1483	1648	1319	1611	1555	1931	2153	1788	1982			17500	18468
POLYESTER	2217	1032	774	765	886	1091	905	1185	1164	1458			11477	21223
OTHER	309	381	625	751	499	499	632	565	716	987			5964	7143
TOTAL MANUFACTURED FIBERS ABOVE	47858	45403	44407	44453	49205	48677	51666	51932	45859	61692			491152	465360
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	49	163	98	125	189	90	185	93	119	207			1318	892
SPUN YARN	579	341	416	648	575	525	800	635	824	431			5774	4992
SPUN YARNS														
SYNTHETIC	431	843	746	610	636	663	581	487	539	528			6064	21040
ARTIFICIAL	0	0	0	0	0	0	0	0	0	0			0	0
PUT UP FOR RETAIL SALE	67	66	58	60	91	66	28	56	35	32			559	144
GRAND TOTAL ABOVE	48984	46816	45725	45896	50696	50021	53260	53203	47376	62890			504867	492428

SOURCE: U.S. Census Bureau Report IM145X

a. U.S. General Imports.

TABLE 16:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	1991												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	134	284	263	22	74	82	115	207	100	20			1301	986
TEXTURED	65	44	41	198	31	159	79	208	89	20			934	988
OTHER	211	69	132	193	41	257	67	87	15	109			1181	604
MONOFILAMENTS & STRIPS	2	8	42	12	6	9	24	65	18	20			206	237
SUBTOTAL ABOVE	**412**	**405**	**478**	**425**	**152**	**507**	**285**	**567**	**222**	**169**			**3622**	**2815**
STAPLE	970	779	549	710	1403	2701	1571	1221	1159	1535			12598	13708
TOPS	0	15	3	0	53	103	159	0	116	575			1024	1205
SUBTOTAL ABOVE	**970**	**794**	**552**	**710**	**1456**	**2804**	**1730**	**1221**	**1275**	**2110**			**13622**	**14913**
WASTE	**527**	**666**	**2006**	**425**	**500**	**508**	**360**	**834**	**363**	**1190**			**7379**	**5395**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	8070	7887	9547	9139	8564	5075	6075	4386	4333	4581			67657	101626
TEXTURED														
UP TO 450 DENIER	1068	886	1636	1558	1172	1106	770	1121	829	921			11067	9628
OVER 450 DENIER	4023	4917	3298	3021	2921	3681	4369	3046	4370	3906			37552	41824
POY	61	102	38	66	17	21	6	16	30	14			371	0
OTHER	3060	2769	3549	3394	3367	4106	2555	2955	3644	3481			32880	23900
MONOFILAMENTS & STRIPS	34	57	6	56	31	34	14	39	35	41			347	359
SUBTOTAL ABOVE	**16316**	**16618**	**18074**	**17234**	**16072**	**14023**	**13789**	**11563**	**13241**	**12944**			**149874**	**177337**
POLYESTER														
HIGH TENACITY	5640	5735	5488	5274	6132	7976	5217	3770	3367	4188			52787	43969
TEXTURED	5014	4345	7042	5020	6176	5011	4888	4724	4970	4666			51856	35757
POY	657	685	2216	2078	1814	898	747	405	1011	261			10772	14383
OTHER	2391	1711	2362	2654	2594	1376	2530	3098	3737	3657			26110	18223
MONOFILAMENTS & STRIPS	138	80	235	349	430	363	85	386	196	138			2400	1823
SUBTOTAL ABOVE	**13840**	**12556**	**17343**	**15375**	**17146**	**15624**	**13467**	**12383**	**13281**	**12910**			**143925**	**114155**
OTHER SYNTHETIC FILAMENT														
TEXTURED	603	627	620	473	637	420	398	670	578	598			5624	5421
OTHER	2963	1623	2068	2461	2088	1693	2320	1308	1063	2101			19688	22681
MONOFILAMENTS & STRIPS	1050	859	1470	1062	1138	1092	1251	1612	1371	2001			12906	10852
SUBTOTAL ABOVE	**4616**	**3109**	**4158**	**3996**	**3863**	**3205**	**3969**	**3590**	**3012**	**4700**			**38218**	**38954**
STAPLE														
NYLON	2146	2453	1337	1768	2288	2925	1806	2547	3324	2851			23445	23360
POLYESTER	6379	8388	10134	9404	10384	9044	7979	10004	11139	7313			90168	69013
ACRYLIC	2431	1826	2976	2459	2082	3630	2592	1149	1616	1429			22190	45494
POLYPROPYLENE	3302	1817	1957	3106	2742	2253	2680	3715	2708	2857			27137	23706
OTHER	1489	1074	1811	1089	1383	682	1166	709	781	773			10957	13072
TOW														
NYLON	253	150	187	122	96	141	102	159	161	159			1530	1714
POLYESTER	58	1	32	79	47	60	14	76	23	26			416	743
ACRYLIC	1511	1278	855	339	328	796	439	487	514	522			7069	18931
OTHER	14	1	402	7	3	0	0	16	28	2			473	1532
TOPS	11009	5452	6387	4995	10029	2354	7337	7718	5749	13166			74196	46003
SUBTOTAL ABOVE	**28592**	**22440**	**26078**	**23368**	**29382**	**21885**	**24115**	**26580**	**26043**	**29098**			**257581**	**243568**
WASTE														
NYLON	2788	2965	3563	2700	1549	3207	2195	2134	2078	2456			25635	34578
POLYESTER	2989	5530	5263	2796	2684	1716	3340	2878	4935	3422			35553	26340
OTHER	6305	6811	7387	7147	6759	8674	4910	6273	5599	6427			66292	53221
TOTAL MANUFACTURED FIBERS ABOVE	**77355**	**71894**	**84902**	**74176**	**79563**	**72153**	**68160**	**68023**	**70049**	**75426**			**741701**	**711276**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	827	890	850	1560	761	905	845	1371	977	712			9698	428
SPUN YARN	159	277	174	178	275	156	272	1781	237	240			3749	0
SPUN YARNS														
SYNTHETIC	891	1256	1434	1865	1403	1521	1641	1266	1264	1703			14244	42444
ARTIFICIAL	123	145	216	264	285	468	347	517	512	559			3436	0
PUT UP FOR RETAIL SALE	1488	1488	2601	2873	2730	3077	2946	4189	4482	2245			28119	8105
GRAND TOTAL ABOVE	**80843**	**75950**	**90177**	**80916**	**85017**	**78280**	**74211**	**77147**	**77521**	**80885**			**800947**	**762253**

SOURCE: U.S. Census Bureau Report EM522.

TABLE 17:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

	1991												YEAR TO DATE	
ITEMS & COUNTRY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	123	0	38	114	80	117	151	74	69	56			822	587
BELGIUM	3	21	4	41	6	9	19	111	281	288			783	20
BRAZIL	109	164	28	109	27	27	23	28	18	0			533	785
CANADA	775	408	877	1147	905	740	633	730	1165	1486			8866	4649
CHILE	44	22	44	0	44	66	110	88	110	154			682	1015
WEST GERMANY	478	633	531	493	686	421	448	810	809	1069			6378	6554
JAPAN	111	134	114	119	142	108	177	82	287	179			1453	1009
MEXICO	150	39	118	41	79	64	136	205	109	227			1168	1032
NETHERLANDS	263	188	279	218	129	277	191	196	110	197			2048	3054
UNITED KINGDOM	86	0	0	35	109	38	183	262	230	291			1234	351
ALL OTHER COUNTRIES [a]	15	35	29	2	0	26	8	26	2	4			147	1053
TOTAL ARTIFICIAL YARN	**2157**	**1644**	**2062**	**2319**	**2207**	**1893**	**2079**	**2612**	**3190**	**3951**			**24114**	**20109**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	1339	1371	1214	396	1672	1470	1377	2002	2981	1404			15226	12779
CANADA	3228	2840	3042	1843	1824	3870	3587	4086	3382	3760			31462	41132
CHINA, PRC	321	0	251	211	760	0	0	149	0	0			1692	351
FINLAND	309	197	371	143	167	459	491	391	379	368			3275	5085
WEST GERMANY	515	46	0	0	0	0	262	81	0	7			911	4032
JAPAN	84	227	95	95	95	109	62	79	40	30			916	1545
TAIWAN	1336	1268	1186	1721	1148	1773	813	176	416	308			10145	12832
THAILAND	763	1317	232	296	513	231	220	0	0	268			3840	2378
UNITED KINGDOM	815	438	473	128	70	21	332	128	236	202			2843	4168
YUGOSLAVIA	584	29	2559	636	81	239	729	84	39	166			5146	1457
ALL OTHER COUNTRIES [b]	223	206	0	122	119	81	590	120	108	224			1793	5322
TOTAL ARTIFICIAL STAPLE+TOW	**9517**	**7939**	**9423**	**5591**	**6449**	**8253**	**8463**	**7296**	**7581**	**6737**			**77249**	**91081**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	239	40	100	143	33	57	33	19	0	0			664	5758
BRAZIL	0	0	0	48	0	35	0	0	0	1			84	675
CANADA	2668	3903	3431	4073	5854	4970	5217	5412	4778	5961			46267	40352
COSTA RICA	725	454	473	544	669	469	512	665	577	611			5699	5152
ECUADOR	0	34	34	15	0	0	0	0	0	0			83	482
FRANCE	627	705	668	841	962	1212	450	900	510	911			7786	10198
WEST GERMANY	1556	1449	1843	1576	1857	2178	2093	2337	1589	1742			18220	19351
IRELAND	147	215	119	34	193	285	129	239	266	683			2310	437
ISRAEL	50	179	110	74	146	136	223	176	294	242			1630	0
ITALY	106	109	29	38	75	73	116	107	47	124			824	5353
JAPAN	853	903	1401	1266	1190	894	1522	1605	932	1671			12237	5611
KOREA, REP. OF	117	59	149	5	146	45	119	139	66	145			990	487
MEXICO	1414	1663	1343	1620	1438	1066	1028	996	1384	1763			13715	15643
NETHERLANDS	223	258	329	284	305	416	359	367	287	833			3661	2732
TAIWAN	89	91	45	132	184	184	122	132	166	69			1214	5044
THAILAND	61	67	65	95	129	63	81	66	74	110			811	766
UNITED KINGDOM	1740	1370	2596	1637	1678	1695	2578	2287	2275	2264			20120	14888
ALL OTHER COUNTRIES [c]	75	82	58	222	104	501	630	462	404	337			2875	1834
TOTAL SYNTHETIC YARN	**10690**	**11581**	**12793**	**12647**	**14963**	**14279**	**15212**	**15909**	**13649**	**17467**			**139190**	**134763**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	15	25	0	12	1	3	0	1	12	4			73	362
AUSTRALIA	75	143	0	81	60	8	47	0	45	38			497	799
BRAZIL	0	110	199	87	86	0	123	52	0	0			657	2774
CANADA	1378	1146	968	1942	2184	2466	2427	1699	2993	5142			22345	23074
FRANCE	544	417	282	421	382	323	471	417	435	329			4021	4493
WEST GERMANY	1136	1400	1732	1931	1558	1881	1902	2022	1794	2050			17406	11531
INDIA	3008	3879	264	0	1186	646	152	144	333	290			9902	13733
IRELAND	0	0	0	0	357	328	660	208	366	310			2229	469
ITALY	176	47	80	53	203	11	48	175	28	196			1017	2189
JAPAN	2386	2197	2080	1840	2110	2337	2270	2143	2080	2541			21984	19409
KOREA, REP. OF	4958	6473	6864	5486	7279	6700	6126	6620	3456	7998			61960	36410
MALAYSIA	0	95	0	48	48	44	44	44	0	0			323	184
MEXICO	1957	1575	1576	2743	2130	1364	2809	2304	971	2252			19681	20911
SPAIN	14	22	0	20	29	7	154	82	37	61			426	288
SWITZERLAND	117	285	152	127	183	363	364	370	372	465			2798	1968
TAIWAN	3102	1918	1891	3664	3181	2923	2864	4005	3625	5170			32343	12955
TURKEY	0	0	2	111	0	151	65	37	0	73			439	704
UNITED KINGDOM	1848	1395	363	1630	1359	1064	1017	1406	956	1821			13459	17430
ALL OTHER COUNTRIES [d]	137	87	29	170	77	213	580	394	140	332			2159	2163
TOTAL SYNTHETIC STAPLE+TOW	**20851**	**21214**	**17082**	**20366**	**22413**	**20832**	**22123**	**22123**	**17643**	**29072**			**213719**	**171846**

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[a] India 103, France 16, Italy 16, Spain 7, Taiwan 5.

[b] Sweden 987, Poland 220, Turkey 219, Romania 167, Belgium 45, Spain 44, Syria 44, Netherlands 38, USSR 18, France 4, Brazil 3, Italy 3, Mexico 1.

[c] Turkey 1463, Australia 249, Czechoslovakia 167, Portugal 160, Sweden 152, Austria 133, Switzerland 111, Singapore 84, Peru 83, Venezuela 60, China, PRC 39, Honduras 39, Colombia 38, Hong Kong 34, El Salvador 25, Morocco 17, Denmark 6, Greece 5, Argentina 4, Finland 2, Spain 2, India 1, South Africa 1.

[d] Denmark 1016, Israel 450, China, PRC 223, Netherlands 107, Romania 85, Hungary 63, South Africa 63, Thailand 49, Hong Kong 44, Czechoslovakia 34, Belgium 16, Colombia 4, Ecuador 3, Sweden 1, USSR 1.

TABLE 18:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1991												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
	MANUFACTURED FIBER TOTAL SHIPMENTS[b c]													
ARTIFICIAL (CELLULOSIC)														
YARN	14.8	16.4	16.2	20.3	18.0	17.7	19.0	17.4	17.7	19.4	16.0		192.9	188.9
RAYON STAPLE	20.4	16.2	22.1	21.4	25.7	22.7	24.1	24.7	22.1	23.2	20.7		243.3	283.5
TOTAL ARTIFICIAL (CELLULOSIC)	**35.2**	**32.6**	**38.3**	**41.7**	**43.7**	**40.4**	**43.1**	**42.1**	**39.8**	**42.6**	**36.7**		**436.2**	**472.4**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	29.2	28.1	26.5	27.9	28.6	24.4	22.8	25.5	26.3	27.9	23.6		290.8	314.9
- CARPET	69.4	54.5	63.8	80.3	85.8	80.4	85.6	92.0	90.9	91.0	70.8		864.5	902.0
- TEXTILE	34.2	30.0	28.8	32.9	33.0	28.7	31.7	32.8	32.6	36.2	31.3		352.2	339.2
POLYESTER - INDUSTRIAL[d]	25.0	27.0	26.5	29.1	29.0	29.1	26.6	28.9	26.9	32.4	28.3		308.8	329.1
- TEXTILE[f]	67.9	61.5	64.4	75.9	74.4	68.5	75.9	74.3	72.5	82.9	71.6		789.8	697.3
OLEFIN[e]	103.4	104.4	109.4	119.2	121.1	121.1	114.9	125.0	126.6	126.4	118.7		1290.2	1318.2
TOTAL YARN	**329.1**	**305.5**	**319.4**	**365.3**	**371.9**	**352.2**	**357.5**	**378.5**	**375.8**	**396.8**	**344.3**		**3896.3**	**3900.7**
STAPLE+TOW+FIBERFILL														
NYLON	66.8	54.7	64.1	78.1	77.8	70.7	76.2	84.1	79.9	81.5	62.5		796.4	911.1
ACRYLIC+MODACRYLIC	36.5	34.8	35.5	34.2	37.5	42.0	33.1	40.0	37.0	45.0	36.5		412.1	455.6
POLYESTER	168.6	159.6	166.1	191.7	191.3	171.6	185.3	197.0	190.5	227.0	189.4		2038.1	1944.1
OLEFIN	34.7	30.9	34.6	38.5	40.7	37.5	38.1	44.0	38.5	44.5	41.9		423.9	379.6
TOTAL STAPLE	**306.6**	**280.0**	**300.3**	**342.5**	**347.3**	**321.8**	**332.7**	**365.1**	**345.9**	**398.0**	**330.3**		**3670.5**	**3690.4**
TOTAL SYNTHETIC (NONCELLULOSIC)	**635.7**	**585.5**	**619.7**	**707.8**	**719.2**	**674.0**	**690.2**	**743.6**	**721.7**	**794.8**	**674.6**		**7566.8**	**7591.1**
TOTAL MANUFACTURED FIBER	**670.9**	**618.1**	**658.0**	**749.5**	**762.9**	**714.4**	**733.3**	**785.7**	**761.5**	**837.4**	**711.3**		**8003.0**	**8063.5**
	MANUFACTURED FIBER END-OF-MONTH STOCK													
ARTIFICIAL (CELLULOSIC)														
YARN	10.2	9.6	10.0	9.6	9.4	9.4	9.6	9.4	9.8	9.9	10.3		10.3	8.6
RAYON STAPLE	22.4	27.3	26.0	26.6	23.9	24.9	25.9	24.8	23.7	23.2	24.9		24.9	10.7
TOTAL ARTIFICIAL (CELLULOSIC)	**32.6**	**36.9**	**36.0**	**36.2**	**33.3**	**34.3**	**35.5**	**34.2**	**33.5**	**33.1**	**35.2**		**35.2**	**19.3**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	25.0	23.9	24.7	26.9	26.1	28.2	30.8	29.7	31.0	31.6	29.6		29.6	25.1
- CARPET	72.0	80.6	77.6	66.3	58.5	58.4	59.9	52.1	47.1	50.3	64.3		64.3	83.5
- TEXTILE[f]	46.2	46.2	45.1	45.6	47.3	48.9	50.4	49.5	48.9	45.7	44.3		44.3	47.7
POLYESTER - INDUSTRIAL[d]	41.0	43.0	41.8	44.6	42.5	40.6	39.3	38.1	37.9	35.8	34.6		34.6	36.4
- TEXTILE[f]	86.4	93.4	93.9	90.5	90.7	91.7	92.2	86.1	89.3	83.6	82.1		82.1	89.7
OLEFIN[e]	61.5	59.7	61.1	59.8	56.4	53.3	53.4	53.7	57.9	59.9	61.9		61.9	57.1
TOTAL YARN	**332.1**	**346.8**	**344.2**	**333.7**	**321.5**	**321.1**	**326.0**	**309.2**	**312.1**	**306.9**	**316.8**		**316.8**	**339.5**
STAPLE+TOW+FIBERFILL														
NYLON	71.0	81.6	79.7	68.2	61.2	59.5	61.9	57.3	56.5	56.3	69.1		69.1	57.2
ACRYLIC+MODACRYLIC	73.4	72.4	67.9	72.1	74.9	70.6	78.0	79.3	80.3	77.7	78.0		78.0	80.2
POLYESTER	192.7	189.5	192.0	185.8	170.5	162.0	174.9	164.7	157.9	148.6	143.5		143.5	166.1
OLEFIN	29.8	30.0	31.5	33.3	30.1	30.1	30.2	26.0	26.5	26.5	28.9		28.9	28.3
TOTAL STAPLE	**366.9**	**373.5**	**371.1**	**359.4**	**336.7**	**322.2**	**345.0**	**327.3**	**321.2**	**309.1**	**319.5**		**319.5**	**331.8**
TOTAL SYNTHETIC (NONCELLULOSIC)	**699.0**	**720.3**	**715.3**	**693.1**	**658.2**	**643.3**	**671.0**	**636.5**	**633.3**	**616.0**	**636.3**		**636.3**	**671.3**
TOTAL MANUFACTURED FIBER	**731.6**	**757.2**	**751.3**	**729.3**	**691.5**	**677.6**	**706.5**	**670.7**	**666.8**	**649.1**	**671.5**		**671.5**	**690.6**

	COTTON & WOOL CONSUMPTION[g]					
	1ST QUARTER	**2ND QUARTER**	**3RD QUARTER**	**4TH QUARTER**		
RAW COTTON	**1032.9**	**1109.5**	**1099.3**		**3241.7**	**3098.4**
APPAREL CLASS WOOL	35.5	40.6	37.5		113.6	92.0
CARPET CLASS WOOL	3.1	3.1	4.6		10.8	10.5
TOTAL RAW WOOL	**38.6**	**43.7**	**42.1**		**124.4**	**102.5**

a. "Year to date" totals for stock, are the latest month's figures.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic shipments plus export shipments.

d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

f. Includes low denier industrial yarn.

g. **Cotton and Wool data for 1991 available on a quarterly basis only.**

ANNUAL INDEX - VOLUME SIXTY-TWO

The names of U.S. fiber manufacturers, together with the products made, are listed on pages 259-267. The corresponding list of world producers is on pages 129-158. Monthly U.S. fiber shipments and stock data, appearing in the table "Selected U.S. Monthly Fiber Data," are usually found on the last page of each ***Fiber Organon*** issue. In the following index this appears under the heading "Monthly Data".

Each issue of the ***Fiber Organon*** contains one or more principal topics. The following is a brief outline of the major subjects covered in the 1991 issues. The numbers in parentheses are the pages of each month's issue.

JANUARY	Special Feature: "Capacity Utilization Review" (1-20)
FEBRUARY	Special Features: "Raw Fiber Equivalent Imports, Exports & Balance"; "1990 Import/Export Review" (21-44)
MARCH	Special Feature: "1990: A Year in Perspective" (45-64)
APRIL	Special Feature: "Other Imports for Consumption" (65-80)
MAY	Special Feature: "1990 Per Capita Consumption Review" (81-108)
JUNE	**"Worldwide Manufactured Fiber Survey:** Directory of Worldwide Manufactured Fiber Producers" (109-164)
JULY	Special Feature: "Worldwide Manufactured Fiber Data in Pounds" (165-188)
AUGUST	Special Feature: "Raw Fiber Equivalent Imports, Exports & Balance" (189-216)
SEPTEMBER	**"Annual U.S. End Use Survey"** (217-236)
OCTOBER	Special Features: "Worldwide Spinning Machinery in Place"; "U.S. Import/Export Review" (237-256)
NOVEMBER	Special Features: **"1991 Directory of American Fiber Manufacturers";** "U.S. Balance of Trade in Apparel" (257-284)
DECEMBER	Special Features: "Worldwide Natural Fiber Survey"; "November 1991 Capacity Survey Analysis" (285-308)

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HAPPY HOLIDAYS !
FROM THE STAFF
AT FEB

C3460-1

FIBER ORGANON

Volume 63, No. 1 ☐ January 1992

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Highlights

- Capacity Utilization Review...begins on page 3.
- Worldwide Net Available Supply...begins on page 10.
- Annual Shipment Summary...see page 18.

SHIPMENTS:

In December, total manufactured fiber shipments reached 705 million pounds, 1% below the 712 million pounds shipped in November and 3% above the 686 million pounds shipped in December 1990.

December shipments of synthetic (noncellulosic) filament yarn fell 2% to 338 million pounds and staple+tow fell 1% to 328 million pounds.

Contributing to the decrease in shipments over the previous month were olefin staple+tow down 20% or 8 million pounds, olefin yarn down 6% or 7 million pounds and polyester industrial yarn down 2 million pounds or 5%.

Year-to-date domestic shipments of manufactured fiber are down slightly and exports are down 4%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1991 DEC	1991 NOV	% CHG 12/91-11/91	1990 DEC	% CHG 12/91-12/90	YEAR TO DATE 1991	YEAR TO DATE 1990	% CHG YTD 1991-1990
ARTIFICIAL (CELLULOSIC)								
YARN	19.3	16.0	*+20.6*	17.8	*+8.4*	212.2	206.7	*+2.7*
RAYON STAPLE	20.3	20.7	*-1.9*	20.7	*-1.9*	263.6	304.2	*-13.3*
TOTAL ARTIFICIAL (CELL.)	**39.6**	**36.7**	***+7.9***	**38.5**	***+2.9***	**475.8**	**510.9**	***-6.9***
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	23.5	23.6	*-0.4*	26.3	*-10.6*	314.3	341.2	*-7.9*
- CARPET	74.0	70.8	*+4.5*	84.0	*-11.9*	938.5	986.0	*-4.8*
- TEXTILE [a]	31.3	31.3	--	29.9	*+4.7*	383.1	369.1	*+3.8*
POLYESTER - INDUSTRIAL	26.8	28.3	*-5.3*	31.8	*-15.7*	335.6	360.9	*-7.0*
- TEXTILE [a]	70.5	72.1	*-2.2*	72.9	*-3.3*	860.8	770.2	*+11.8*
OLEFIN	111.5	118.8	*-6.1*	108.1	*+3.1*	1402.2	1426.3	*-1.7*
TOTAL YARN	**337.6**	**344.9**	***-2.1***	**353.0**	***-4.4***	**4234.5**	**4253.7**	***-0.5***
STAPLE+TOW+FIBERFILL								
NYLON	66.1	62.5	*+5.8*	63.6	*+3.9*	862.5	974.7	*-11.5*
ACRYLIC+MODACRYLIC	35.0	36.5	*-4.1*	45.0	*-22.2*	447.1	500.6	*-10.7*
POLYESTER	192.8	189.4	*+1.8*	154.6	*+24.7*	2230.9	2098.7	*+6.3*
OLEFIN	33.6	41.9	*-19.8*	31.0	*+8.4*	457.5	410.6	*+11.4*
TOTAL STAPLE	**327.5**	**330.3**	***-0.8***	**294.2**	***+11.3***	**3998.0**	**3984.6**	***+0.3***
TOTAL SYNTHETIC (NONCELL.)	**665.1**	**675.2**	***-1.5***	**647.2**	***+2.8***	**8232.5**	**8238.3**	***-0.1***
TOTAL MANUFACTURED FIBER	**704.7**	**711.9**	***-1.0***	**685.7**	***+2.8***	**8708.3**	**8749.2**	***-0.5***
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS [b]	656.9	671.2	*-2.1*	628.1	*+4.6*	8186.2	8202.8	*-0.2*
EXPORTS [c]	47.8	40.7	*+17.4*	57.6	*-17.0*	522.1	546.4	*-4.4*

-- No change.
a. Includes low denier industrial yarn.
b. Includes olefin exports.
c. Excludes olefin exports.

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CAPACITY UTILIZATION REVIEW

***Editor's Note** : This issue features production, producing capacity and capacity utilization in the industry from 1981 to 1991 Capacity utilization rates are based on production and capacity sizes. Thus, a utilization rate can be raised by an increase in production, a decrease in capacity or a combination of these two.*

During this period, several notable trends surfaced. The growth of synthetic (noncellulosic) fiber production from 1981 (an increase of 4% by1991) and a decline of artificial (cellulosic) fiber production (a decline of 37% by 1991). During the same time, capacity for synthetic (noncellulosic) fiber rose by 3%, while capacity for artificial (cellulosic) yarn declined by 39%.

This report presents data in six tables and four graphs: Review of Production, Producing Capacity & Capacity Utilization; Summary of Annual Production (1981-1991); Summary of Producing Capacities (1981-1991); Summary of Capacity Utilization Rates (1981-1991); Production of Synthetic (Noncellulosic) & Artificial (Cellulosic) Fibers as a Percentage of Total Manufactured Fiber Production; and Producing Capacity of Synthetic (Noncellulosic) & Artificial (Cellulosic) Fibers as a Percentage of Total Manufactured Fiber Capacity. Graphs show synthetic (noncellulosic) fiber production, capacity & capacity utilization, and also capacity & production trends of acrylic+modacrylic staple+tow, nylon carpet yarn, polyester textile yarn and polyester staple+tow.

The Review of Production, Producing Capacity & Capacity Utilization at the bottom of this page, ties the three major components of this report - production, producing capacity and capacity utilization - into one table for easy reference.

For this report, Fiber Economics Bureau **November** capacity survey data are used as the annual capacity figures. The Total Synthetic (Noncellulosic) data in this report do not include Glass Fiber or miscellaneous fibers such as spandex and saran.

TABLE 2:
REVIEW OF PRODUCTION, PRODUCING CAPACITY & CAPACITY UTILIZATION[a]
MILLION POUNDS & *PERCENT*

FIBER TYPE	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
SYNTHETIC (NONCELLULOSIC)											
PRODUCTION	7985	6442	7534	7473	7564	7828	8316	8526	8516	8185	8266
CAPACITY	9696	9334	9274	9460	9558	9207	9350	9592	9673	9814	9962
UTILIZATION (%)	*82.4*	*69.0*	*81.2*	*79.0*	*79.1*	*85.0*	*88.9*	*88.9*	*88.0*	*83.4*	*83.0*
ARTIFICIAL (CELLULOSIC)											
PRODUCTION	770	584	640	628	558	619	605	614	580	505	486
CAPACITY	898	895	845	845	784	709	709	713	724	541	545
UTILIZATION (%)	*85.7*	*65.3*	*75.7*	*74.3*	*71.2*	*87.3*	*85.3*	*86.1*	*80.1*	*93.3*	*89.2*
TOTAL MANUFACTURED FIBERS											
PRODUCTION	8755	7026	8174	8101	8122	8447	8921	9140	9096	8690	8752
CAPACITY	10594	10229	10119	10305	10342	9916	10059	10305	10397	10355	10507
UTILIZATION (%)	*82.6*	*68.7*	*80.8*	*78.6*	*78.5*	*85.2*	*88.7*	*88.7*	*87.5*	*83.9*	*83.3*

a. Does not include data for Glass Fiber, saran, spandex, Aramid after 1982 or Vinyon after 1986.

TABLE 3:
SUMMARY OF ANNUAL PRODUCTION
MILLION POUNDS

	ARTIFICIAL (CELLULOSIC) FIBERS						TOTAL ARTIFICIAL (CELLULOSIC)
	FILAMENT YARN+MONOFIL			STAPLE+TOW			
YEAR	RAYON	ACETATE	TOTAL	RAYON	ACETATE	TOTAL	
1981	48	257	305	461	4	465	770
1982	33	195	228	355	1	356	584
1983	36	228	264	375	1	376	640
1984	41	198	239	389	+	389	628
1985	b	b	205	b	b	353	558
1986	b	b	215	b	b	404	619
1987	b	b	191	b	b	414	605
1988	b	b	214	b	b	400	614
1989	b	b	217	b	b	363	580
1990	b	b	206	b	b	299	505
1991	b	b	213	b	b	273	486

	SYNTHETIC (NONCELLULOSIC) FIBERS														TOTAL SYN. (NON-CELL.)
	YARN+MONOFILAMENTS									STAPLE+TOW					
	NYLON+ARAMID a				POLYESTER										
YEAR	IND	TEX	CARP	TOTAL	IND	TEX	TOTAL	OLEFIN	TOTAL YARN	NYLON+ ARAMID[a]	POLY-ESTER	ACRYLIC+ MODACR	OLEFIN+ VINYON[c]	TOTAL STAPLE	
1981	410	461	710	1581	309	1260	1569	643	3793	752	2607	691	142	4192	7985
1982	315	354	573	1242	292	921	1213	585	3040	685	1955	624	138	3402	6442
1983	315	415	762	1492	299	1060	1359	716	3567	926	2184	671	186	3967	7534
1984	379	394	804	1577	316	884	1200	748	3525	835	2192	671	250	3948	7473
1985	343	353	819	1515	294	1027	1321	954	3790	828	2020	631	295	3774	7564
1986	339	360	907	1606	319	854	1173	1058	3837	908	2132	616	335	3991	7828
1987	364	381	952	1697	337	842	1179	1134	4010	992	2362	592	360	4306	8316
1988	377	383	968	1728	367	861	1228	1224	4180	942	2452	588	364	4346	8526
1989	373	412	974	1759	367	842	1209	1257	4225	981	2385	543	382	4291	8516
1990	335	357	980	1672	361	744	1105	1417	4194	990	2090	506	405	3991	8185
1991	322	385	961	1668	337	871	1208	1405	4281	869	2202	454	460	3985	8266

a. Data since 1982 do not include Aramid.
b. Detail withheld due to company disclosure.
c. Data for Vinyon not included after 1986.

Rayon yarn includes industrial (high tenacity) yarn and textile (regular+intermediate tenacity) yarn+monofilaments.

Acetate includes diacetate and triacetate. The acetate staple+tow data do not include tow for cigarette filtration.

Olefin includes polypropylene yarn+monofilaments+spunbonded+ film fiber and polyethylene monofilaments+film fiber.

For the purposes of this report, production data for miscellaneous fibers, such as saran and spandex, are not included.

TABLE 4:
SUMMARY OF PRODUCING CAPACITIES
MILLION POUNDS

	ARTIFICIAL (CELLULOSIC) FIBERS						TOTAL ARTIFICIAL (CELLULOSIC)
	FILAMENT YARN+MONOFIL			STAPLE+TOW			
YEAR [a]	RAYON	ACETATE	TOTAL	RAYON	ACETATE	TOTAL	
1981	52	332	384	509	5	514	**898**
1982	63	318	381	510	4	514	**895**
1983	63	268	331	510	4	514	**845**
1984	63	268	331	510	4	514	**845**
1985	b	b	269	510	5	515	**784**
1986	b	b	244	b	b	465	**709**
1987	b	b	244	b	b	465	**709**
1988	b	b	244	b	b	469	**713**
1989	b	b	232	b	b	492	**724**
1990	b	b	219	b	b	322	**541**
1991	b	b	220	b	b	325	**545**

	SYNTHETIC (NONCELLULOSIC) FIBERS														TOTAL SYN. (NON-CELL.)	GLASS FIBER
	YARN+MONOFILAMENTS									STAPLE+TOW						
	NYLON+ARAMID [c]				POLYESTER											
YEAR [a]	IND	TEX	CARP	TOTAL	IND	TEX	TOTAL	OLEFIN	TOTAL YARN	NYLON+ ARAMID [c]	POLY-ESTER	ACRYLIC+ MODACR	OLEFIN+ VINYON [d]	TOTAL STAPLE		
1981	514	553	893	1960	316	1481	1797	989	4746	1010	2839	835	266	4950	**9696**	1561
1982	474	513	925	1912	338	1265	1603	1038	4553	978	2700	832	271	4781	**9334**	1718
1983	440	494	907	1841	337	1170	1507	1099	4447	1017	2704	826	280	4827	**9274**	1618
1984	437	470	926	1833	342	1162	1504	1142	4479	1054	2784	807	336	4981	**9460**	1743
1985	437	466	965	1868	374	1097	1471	1329	4668	1067	2785	631	407	4890	**9558**	1769
1986	435	398	964	1797	401	1021	1422	1326	4545	1077	2491	637	457	4662	**9207**	1763
1987	418	404	1005	1827	399	929	1328	1402	4557	1137	2522	652	482	4793	**9350**	1642
1988	421	423	1053	1897	408	968	1376	1470	4743	1137	2584	642	486	4849	**9592**	1729
1989	420	430	1168	2018	420	900	1320	1580	4918	1150	2464	641	500	4755	**9673**	1822
1990	377	450	1197	2024	433	908	1341	1761	5126	1144	2578	446	520	4688	**9814**	1824
1991	383	437	1182	2002	438	936	1374	1800	5176	1141	2603	487	555	4786	**9962**	1818

a. **All annual capacity data are as of November of that year.**
b. Detail withheld due to disclosure.
c. Data since 1982 do not include Aramid.
d. Data for Vinyon not included after 1986.

The data do not include acetate tow for cigarette filtration.

IND means industrial yarn and monofil, i.e., coarser than 500 denier with an Instron tenacity of 7 grams or more per denier.

CARP means bulked continuous filament yarn for carpets.

TEX means yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

Olefin includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles and film fiber used for decorative or tying ribbon, etc. Olefin monofil includes the circular and rectangular ribbon cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated film.

For the purposes of this report, capacity data for miscellaneous fibers, such as saran and spandex, are not included.

GRAPH 1:
SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION, CAPACITY & CAPACITY UTILIZATION

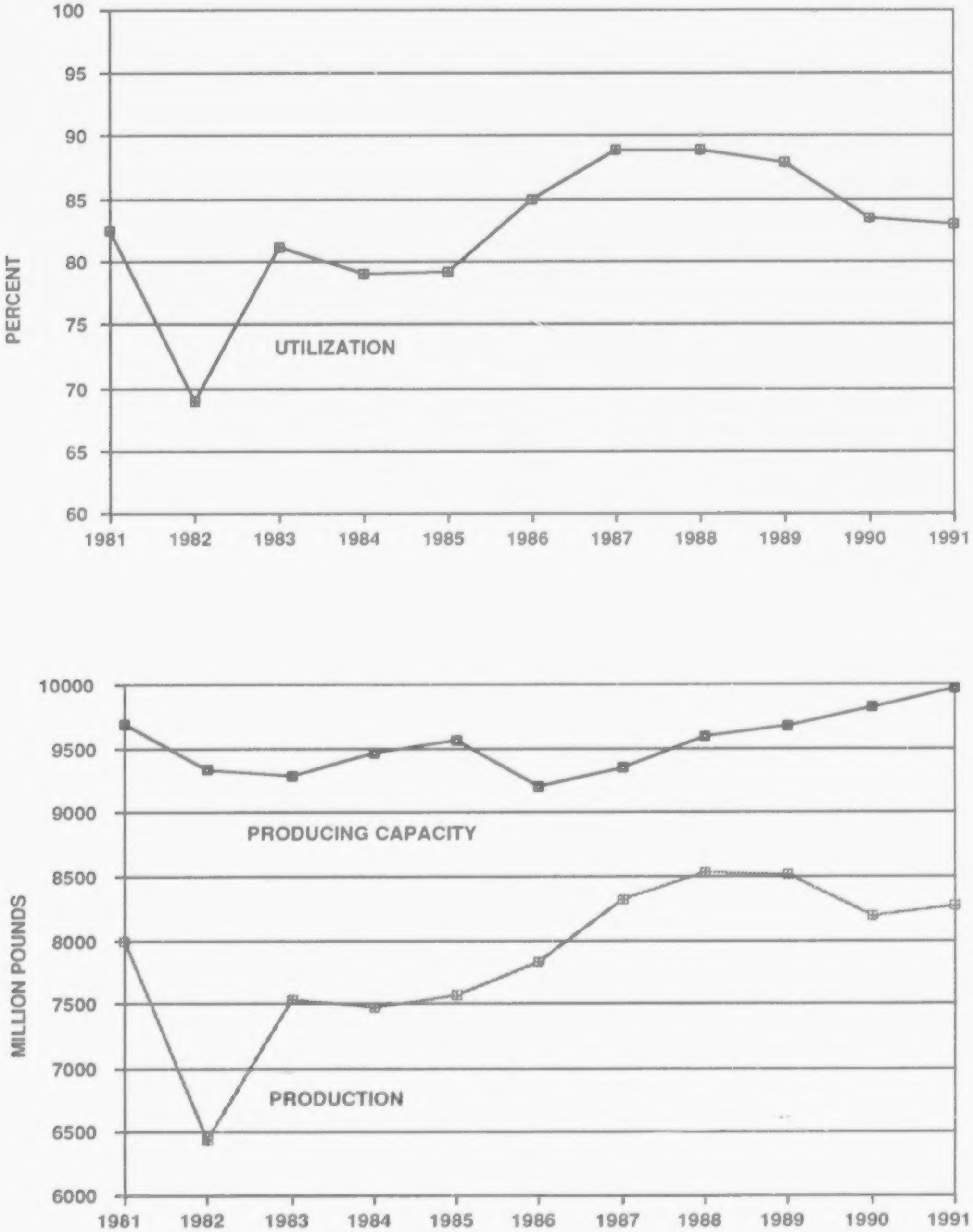


TABLE 5:
SUMMARY OF CAPACITY UTILIZATION RATES
PERCENT (%)

YEAR	ARTIFICIAL (CELLULOSIC) FIBERS						TOTAL ARTIFICIAL (CELLULOSIC)
	FILAMENT YARN+MONOFIL			STAPLE+TOW			
	RAYON	ACETATE	TOTAL	RAYON	ACETATE	TOTAL	
1981	92.3	77.4	79.4	90.6	80.0	90.5	**85.7**
1982	52.4	61.3	59.8	69.6	25.0	69.3	**65.3**
1983	57.1	85.1	79.8	73.5	25.0	73.2	**75.7**
1984	65.1	73.9	72.2	76.3	0	75.7	**74.3**
1985	b	b	76.2	b	b	68.5	**71.2**
1986	b	b	88.1	b	b	86.9	**87.3**
1987	b	b	78.3	b	b	89.0	**85.3**
1988	b	b	87.7	b	b	85.3	**86.1**
1989	b	b	93.5	b	b	73.8	**80.1**
1990	b	b	94.1	b	b	92.9	**93.3**
1991	b	b	96.8	b	b	84.0	**89.2**

YEAR	SYNTHETIC (NONCELLULOSIC) FIBERS[c]														TOTAL SYN. (NON-CELL.)
	YARN+MONOFILAMENTS									STAPLE+TOW					
	NYLON+ARAMID[a]				POLYESTER										
	IND	TEX	CARP	TOTAL	IND	TEX	TOTAL	OLEFIN	TOTAL YARN	NYLON+ ARAMID[a]	POLY-ESTER	ACRYLIC+ MODACR	OLEFIN+ VINYON[d]	TOTAL STAPLE	
1981	79.8	83.4	79.5	80.7	97.8	85.1	87.3	65.0	79.9	74.5	91.8	82.8	53.4	84.7	**82.4**
1982	66.5	69.0	61.9	65.0	86.4	72.8	75.7	56.4	66.8	70.0	72.4	75.0	50.9	71.2	**69.0**
1983	71.6	84.0	84.0	81.0	88.7	90.6	90.2	65.2	80.2	91.1	80.8	81.2	66.4	82.2	**81.2**
1984	86.7	83.8	86.8	86.0	92.4	76.1	79.8	65.5	78.7	79.2	78.7	83.1	74.4	79.3	**79.0**
1985	78.5	75.8	84.9	81.1	78.6	93.6	89.8	71.8	81.2	77.6	72.5	100.0	72.5	77.2	**79.1**
1986	77.9	90.5	94.1	89.4	79.6	83.6	82.5	79.8	84.4	84.3	85.6	96.7	73.3	85.6	**85.0**
1987	87.1	94.3	94.7	92.9	84.5	90.6	88.8	80.9	88.0	87.2	93.7	90.8	74.7	89.8	**88.9**
1988	89.5	90.5	91.9	91.1	90.0	88.9	89.2	83.3	88.1	82.8	94.9	91.6	74.9	89.6	**88.9**
1989	88.8	95.8	83.4	87.2	87.4	93.6	91.6	79.6	85.9	85.3	96.8	84.7	76.4	90.2	**88.0**
1990	88.9	79.3	81.9	82.6	83.4	81.9	82.4	80.5	81.8	86.5	81.1	113.5	77.9	85.1	**83.4**
1991	84.1	88.1	81.3	83.3	76.9	93.1	87.9	78.1	82.7	76.2	84.6	93.2	82.9	83.3	**83.0**

All percentages based on data in the tables on pages 4 and 5.

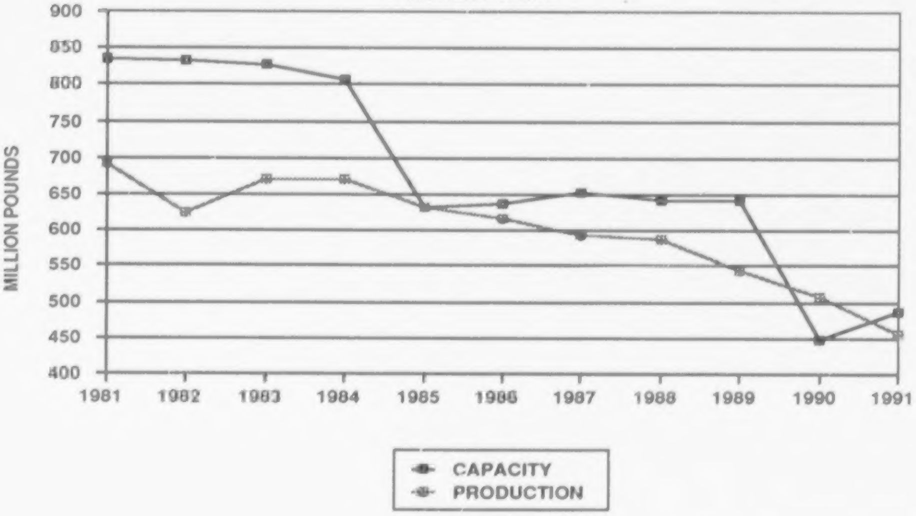
a. Data since 1982 do not include Aramid.

b. Detail withheld due to company disclosure.

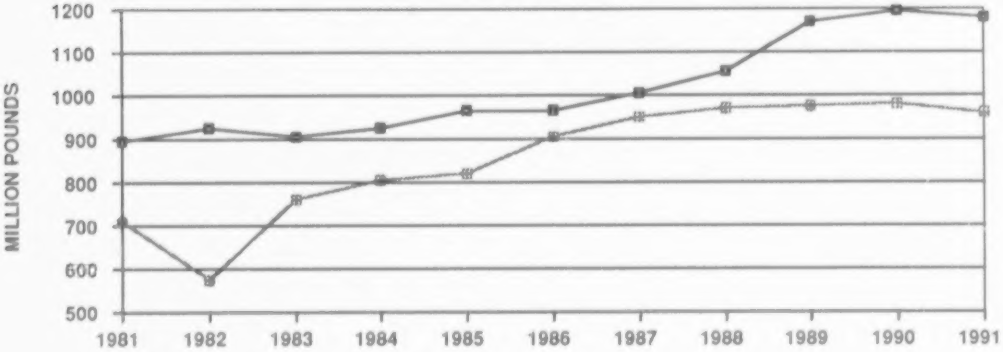
c. Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the January 1984 issue.

d. Data for Vinyon not included after 1986.

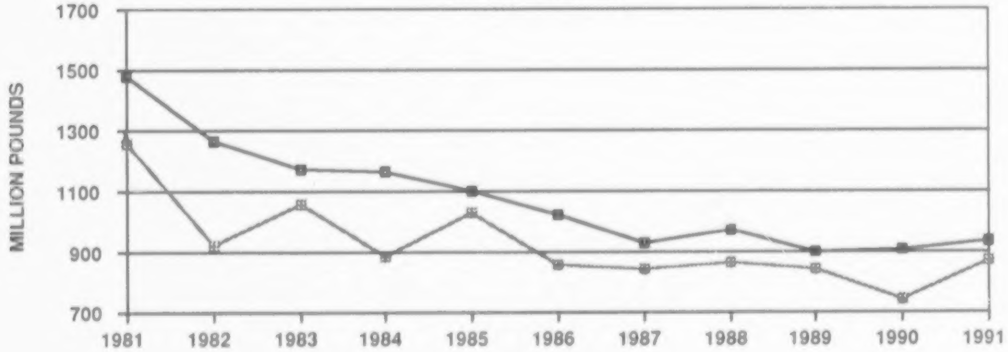
GRAPH 2:
ACRYLIC+MODACRYLIC STAPLE+TOW CAPACITY & PRODUCTION
MILLION POUNDS



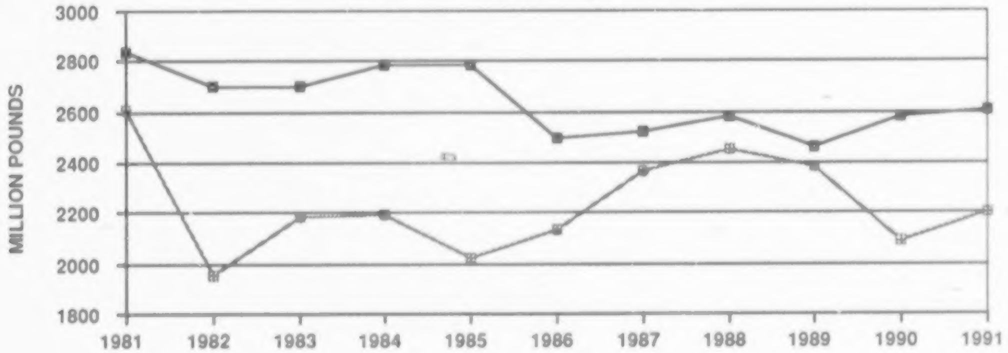
GRAPH 3:
NYLON CARPET YARN CAPACITY & PRODUCTION
MILLION POUNDS



GRAPH 4:
POLYESTER TEXTILE YARN CAPACITY & PRODUCTION [a]
MILLION POUNDS



GRAPH 5:
POLYESTER STAPLE+TOW CAPACITY & PRODUCTION
MILLION POUNDS



a. Includes low denier industrial.

■ CAPACITY
⊞ PRODUCTION

TABLE 6:
PRODUCTION OF SYNTHETIC (NONCELLULOSIC) & ARTIFICIAL (CELLULOSIC) FIBERS[a] AS A PERCENTAGE OF TOTAL MANUFACTURED FIBER PRODUCTION

MILLION POUNDS & *PERCENT*

YEAR	SYNTHETIC (NON-CELLULOSIC)	%	ARTIFICIAL (CELLULOSIC)	%	TOTAL MANUFACTURED FIBER	%
1981	7985	*91.2*	770	*8.8*	8755	*100.0*
1982	6442	*91.7*	584	*8.3*	7026	*100.0*
1983	7534	*92.2*	640	*7.8*	8174	*100.0*
1984	7473	*92.2*	628	*7.8*	8101	*100.0*
1985	7564	*93.1*	558	*6.9*	8122	*100.0*
1986	7828	*92.7*	619	*7.3*	8447	*100.0*
1987	8316	*93.2*	605	*6.8*	8921	*100.0*
1988	8526	*93.3*	614	*6.7*	9140	*100.0*
1989	8516	*93.6*	580	*6.4*	9096	*100.0*
1990	8185	*94.2*	505	*5.8*	8690	*100.0*
1991	8266	*94.4*	486	*5.6*	8752	*100.0*

a. Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the January 1984 issue.

TABLE 7:
PRODUCING CAPACITY OF SYNTHETIC (NONCELLULOSIC) & ARTIFICIAL (CELLULOSIC) FIBERS[a] AS A PERCENTAGE OF TOTAL MANUFACTURED FIBER CAPACITY

MILLION POUNDS & *PERCENT*

YEAR	SYNTHETIC (NON-CELLULOSIC)	%	ARTIFICIAL (CELLULOSIC)	%	TOTAL MANUFACTURED FIBER	%
1981	9696	*91.5*	898	*8.5*	10594	*100.0*
1982	9334	*91.3*	895	*8.7*	10229	*100.0*
1983	9274	*91.6*	845	*8.4*	10119	*100.0*
1984	9460	*91.8*	845	*8.2*	10305	*100.0*
1985	9558	*92.4*	784	*7.6*	10342	*100.0*
1986	9207	*92.8*	709	*7.2*	9916	*100.0*
1987	9350	*93.0*	709	*7.0*	10059	*100.0*
1988	9592	*93.1*	713	*6.9*	10305	*100.0*
1989	9673	*93.0*	724	*7.0*	10397	*100.0*
1990	9814	*94.8*	541	*5.2*	10355	*100.0*
1991	9962	*94.8*	545	*5.2*	10507	*100.0*

a. Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the January 1984 issue.

TABLE 8:
1990 MANUFACTURED FIBER PRODUCTION, IMPORT, EXPORT & NET AVAILABLE SUPPLY BY COUNTRY EXCEPT OLEFIN & GLASS FIBER

MILLION POUNDS

	ARTIFICIAL (CELLULOSIC)								SYNTHETIC (NONCELLULOSIC)								TOTAL MANUFACTURED FIBERS					
	YARN				STAPLE+TOW				YARN				STAPLE+TOW							ART.	SYN.	NET
COUNTRY & AREA	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	SPUN	SPUN	AVAIL
WESTERN EUROPE																						
AUSTRIA	NA	7.0	0.5	NA	NA	6.9	0.9	NA	0	45.9	5.0	40.9	38.6	42.3	2.2	78.7	336.2	102.1	8.6	-54.5	-5.0	370.2
BENELUX	NA	58.3	20.0	NA	NA	106.7	5.9	NA	176.4	494.2	133.7	536.9	88.2	287.4	157.4	218.2	350.6	946.6	317.0	+29.6	+60.7	1070.5
FINLAND	NA	1.0	+	NA	NA	7.0	0.1	NA	0.4	21.7	0.2	21.9	0	23.8	0.2	23.6	141.0	53.5	0.5	+1.2	+7.2	202.4
FRANCE	NA	74.3	22.7	NA	NA	73.0	4.4	NA	129.4	275.8	125.6	279.6	216.7	239.0	138.7	317.0	350.5	662.1	291.4	+42.6	+42.9	806.7
WEST GERMANY	NA	62.3	72.1	NA	NA	130.4	786.2	NA	800.3	264.3	451.8	612.8	912.7	344.4	126.5	1130.6	1999.6	801.4	1436.6	-9.1	-19.1	1336.2
GREECE	NA	0.7	11.6	NA	NA	11.0	0	NA	22.5	19.5	7.8	34.2	8.8	51.5	2.3	58.0	46.7	82.7	21.7	+2.2	+16.8	126.7
IRELAND	0	0.6	0.2	0.4	0	5.8	0.6	5.2	35.5	19.9	40.6	14.8	169.5	17.2	122.8	63.9	205.0	43.5	164.2	+0.4	-5.3	79.4
ITALY/MALTA	NA	64.4	14.4	NA	NA	104.6	5.7	NA	411.2	242.9	295.5	358.6	825.6	384.4	308.9	901.1	1316.2	796.3	624.5	+33.7	-85.9	1435.8
NORWAY	0	0.2	0	0.2	0	3.2	0.7	2.5	0	10.2	0.1	10.1	0	6.9	0	6.9	0	20.5	0.8	+0.2	+1.5	21.4
PORTUGAL	NA	8.3	0.4	NA	NA	21.3	0	NA	0	68.0	5.1	62.9	127.4	35.9	30.3	133.0	129.2	133.5	35.8	+1.7	+16.7	245.3
SPAIN	NA	16.2	7.8	NA	NA	34.1	28.7	NA	175.3	98.4	43.6	230.1	378.1	129.7	225.1	282.7	632.8	278.4	305.2	-0.6	-31.6	573.8
SWEDEN	NA	4.5	1.9	NA	NA	7.3	48.1	NA	0	26.3	1.1	25.2	0	24.2	1.9	22.3	53.8	62.3	53.0	+0.3	+4.8	68.2
SWITZERLAND	0	5.2	1.5	3.7	0	16.0	2.1	13.9	166.4	20.8	150.9	36.3	39.7	25.5	76.8	-11.6	206.1	67.5	231.3	+0.7	+8.6	51.6
TURKEY	NA	3.5	0.1	NA	NA	1.4	0	NA	187.4	35.1	47.4	175.1	404.5	60.5	39.7	425.3	615.5	100.5	87.2	+0.4	-20.6	608.6
UNITED KINGDOM	NA	24.6	0.3	NA	NA	38.9	85.2	NA	220.5	308.8	194.2	335.1	180.8	278.9	79.6	380.1	557.8	651.2	359.3	+2.6	+65.7	918.0
TOTAL WESTERN EUROPE	**416.7**	**331.1**	**153.5**	**594.3**	**808.5**	**567.6**	**968.6**	**407.5**	**2325.3**	**1951.8**	**1502.6**	**2774.5**	**3390.6**	**1951.6**	**1312.4**	**4029.8**	**6941.0**	**4802.1**	**3937.1**	**+51.4**	**+57.4**	**7914.8**
EASTERN EUROPE																						
ALBANIA	0	0.1	0	0.1	0	0.2	0	0.2	1.1	0.1	0.1	1.1	0	0.5	0	0.5	1.1	0.9	0.1	0	+0.3	2.2
BULGARIA	9.5	0.7	1.7	8.5	0	0.4	0.3	0.1	77.8	2.6	2.4	78.0	95.7	10.3	6.2	99.8	183.0	14.0	10.6	+	+0.2	186.6
CZECHOSLOVAKIA	35.5	0.1	0.5	35.1	89.7	0.1	2.7	87.1	178.4	4.5	16.9	166.0	105.8	7.0	8.4	104.4	409.4	11.7	28.5	+	+2.4	395.0
EAST GERMANY	57.5	0.4	+	57.9	233.7	3.7	5.6	231.8	125.7	2.3	4.3	123.7	164.0	2.6	10.0	156.6	580.9	9.0	19.9	+2.8	+6.1	578.9
HUNGARY	0	0.7	0.8	-0.1	9.0	0.6	3.5	6.1	10.6	7.6	3.9	14.3	31.5	12.5	9.3	34.7	51.1	21.4	17.5	-5.4	-0.4	49.2
POLAND	30.6	0.6	1.1	30.1	48.1	+	6.7	41.4	140.2	1.9	6.2	135.9	91.9	8.6	11.8	88.7	310.8	11.1	25.8	+0.1	+2.3	298.5
ROMANIA	19.8	0	+	19.8	139.3	+	10.0	129.3	112.2	0.8	6.2	106.8	268.3	0.2	27.9	240.6	539.6	1.0	44.1	+	-0.4	496.1
U.S.S.R.	524.7	18.1	0.2	542.6	712.1	20.3	0.8	731.6	1070.3	107.5	0.1	1177.7	943.6	49.9	4.6	988.9	3250.7	195.8	5.7	+	+6.6	3447.4
YUGOSLAVIA	34.2	0.7	3.1	31.8	126.8	0.4	18.1	109.1	114.0	28.2	17.5	124.7	141.8	27.2	22.2	146.8	416.8	56.5	60.9	-5.0	+2.9	410.3
TOTAL EASTERN EUROPE	**711.8**	**21.4**	**7.4**	**725.8**	**1358.7**	**25.7**	**47.7**	**1336.7**	**1830.3**	**155.5**	**57.6**	**1928.2**	**1842.6**	**118.8**	**100.4**	**1861.0**	**5743.4**	**321.4**	**213.1**	**-7.5**	**+20.0**	**5864.2**
TOTAL EUROPE	**1128.5**	**352.5**	**160.9**	**1320.1**	**2167.2**	**593.3**	**1016.3**	**1744.2**	**4155.6**	**2107.3**	**1560.2**	**4702.7**	**5233.2**	**2070.4**	**1412.8**	**5890.8**	**12684.4**	**5123.5**	**4150.2**	**+43.9**	**+77.4**	**13779.0**
U.S.A.	**206.2**	**24.2**	**3.8**	**226.8**	**299.1**	**111.6**	**16.6**	**394.1**	**2777.1**	**154.7**	**399.0**	**2532.8**	**3585.3**	**209.8**	**293.4**	**3501.7**	**6867.7**	**500.3**	**712.6**	**0**	**-26.6**	**6628.8**
CANADA	**34.7**	**13.2**	**20.0**	**17.9**	**62.8**	**2.3**	**44.0**	**21.1**	**144.2**	**114.6**	**80.3**	**178.5**	**112.2**	**71.8**	**18.8**	**165.0**	**343.9**	**201.7**	**163.1**	**+5.7**	**+54.8**	**443.0**
OTHER AMERICAS																						
ARGENTINA	6.0	0.1	+	6.1	0	0.1	0	0.1	57.1	1.1	0	58.2	43.2	3.8	0	47.0	106.3	5.1	+	+0.5	0	111.9
BOLIVIA	0	0	0	0	0	0	0	0	0	0	0	0	0	2.2	0	2.2	0	2.2	0	0	0	2.2
BRAZIL	32.0	4.9	11.7	25.2	89.3	2.9	27.1	65.1	264.3	15.2	9.3	270.2	190.0	15.7	9.0	196.7	575.6	38.7	57.1	0	-17.6	539.6
CHILE	2.9	+	1.5	1.4	9.5	1.3	0	10.8	11.9	2.2	0	14.1	14.3	18.9	0	33.2	38.6	22.4	1.5	0	0	59.5
COLOMBIA	2.9	0.2	0	3.1	0	1.8	0	1.8	85.1	2.3	0	87.4	35.5	6.9	0	42.4	123.5	11.2	0	0	0	134.7
COSTA RICA	0	+	0	+	0	+	0	+	9.9	0.9	6.5	4.3	0	7.4	0	7.4	9.9	8.3	6.5	0	0	11.7
CUBA	1.1	0	0	1.1	18.3	0	0	18.3	0	0	0	0	0	0	0	0	19.4	0	0	0	0	19.4
ECUADOR	0	0	+	+	0	0.5	0	0.5	12.6	1.4	0	14.0	0	9.4	0	9.4	12.6	11.3	0	0	0	23.9
MEXICO	29.1	0.6	2.0	27.7	0	10.7	0.1	10.6	291.0	10.1	32.4	268.7	421.7	47.0	27.1	441.6	741.8	68.4	61.6	+	-6.4	742.2
PERU	3.1	+	0.1	3.0	0	+	0	+	27.1	0.6	+	27.7	72.3	0.5	0	72.8	102.5	1.1	0.1	+	0	103.5
URUGUAY	3.5	+	+	3.5	0	+	0	+	3.3	0.3	0	3.6	9.7	0.6	0	10.3	16.5	0.9	+	0	0	17.4
VENEZUELA	2.6	0.1	0	2.7	0	1.0	0.1	0.9	36.6	1.4	0	38.0	48.9	4.5	3.1	50.3	88.1	7.0	3.2	0	0	91.9
TOTAL OTHER AMERICAS	**83.2**	**5.9**	**15.3**	**73.8**	**117.1**	**18.3**	**27.3**	**108.1**	**798.9**	**35.5**	**48.2**	**786.2**	**835.6**	**116.9**	**39.2**	**913.3**	**1834.8**	**176.6**	**130.0**	**+0.5**	**-24.0**	**1857.9**

TABLE 8:
1990 MANUFACTURED FIBER PRODUCTION, IMPORT, EXPORT & NET AVAILABLE SUPPLY BY COUNTRY EXCEPT OLEFIN & GLASS FIBER *(CONTINUED)*

MILLION POUNDS

COUNTRY & AREA	ARTIFICIAL (CELLULOSIC)								SYNTHETIC (NONCELLULOSIC)								TOTAL MANUFACTURED FIBERS					
	YARN				STAPLE+TOW				YARN				STAPLE+TOW							ART.	SYN.	NET
	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	AVAIL	PROD	IMP	EXP	SPUN	SPUN	AVAIL
JAPAN	**218.5**	**4.6**	**72.1**	**151.0**	**389.6**	**1.4**	**172.4**	**218.6**	**1547.8**	**164.2**	**195.1**	**1516.9**	**1593.7**	**43.6**	**530.7**	**1106.6**	**3749.6**	**213.8**	**970.3**	**-8.9**	**-10.4**	**2973.8**
CHINA, PRC	**116.8**	**3.0**	**0.6**	**119.2**	**330.7**	**253.3**	**0.7**	**583.3**	**1113.3**	**161.2**	**0**	**1274.5**	**1773.4**	**837.7**	**0.8**	**2610.3**	**3334.2**	**1255.2**	**2.1**	**-41.4**	**-11.1**	**4534.8**
OTHER ASIA																						
BANGLADESH	10.4	0	0	10.4	2.6	0.4	0	3.0	1.3	0	0	1.3	0	0	0	0	14.3	0.4	0	0	0	14.7
HONG KONG	0	5.8	+	5.8	0	15.4	0	15.4	0	14.0	0	14.0	0	57.9	0	57.9	0	93.1	+	+0.6	-1.7	92.0
INDIA	128.3	5.8	4.3	129.8	349.4	0.3	0.2	349.5	570.8	20.8	3.8	587.8	379.2	27.6	57.0	349.8	1427.7	54.5	65.3	-8.5	-11.8	1396.6
INDONESIA	0	1.7	0.1	1.6	132.3	9.5	+	141.8	341.7	54.8	9.8	386.7	253.5	37.5	0.9	290.1	727.5	103.5	10.8	-12.3	-15.2	792.7
KOREA, REP. OF	34.8	56.3	5.3	85.8	0	78.2	20.6	57.6	1482.2	100.0	256.1	1326.1	1317.0	118.6	539.2	896.4	2834.0	353.1	821.2	+27.5	-127.2	2266.2
MALAYSIA	0	0.2	0	0.2	0	1.3	0	1.3	0	3.1	0	3.1	92.4	24.8	0.4	116.8	92.4	29.4	0.4	+	-7.2	114.2
PAKISTAN	6.2	7.7	0.3	13.6	0	11.6	0	11.6	69.4	6.3	0	75.7	88.6	15.1	0	103.7	164.2	40.7	0.3	0	-6.5	198.1
PHILIPPINES	0	0.2	0	0.2	0	6.8	0	6.8	58.4	4.1	0	62.5	38.6	16.6	0	55.2	97.0	27.7	0	-0.3	0	124.4
SRI LANKA	0	0.1	0	0.1	0	2.6	0	2.6	4.6	0.9	0	5.5	0	0.2	0	0.2	4.6	3.8	0	0	0	8.4
TAIWAN	4.9	6.8	14.8	-3.1	321.2	10.7	95.5	236.4	1909.2	75.0	156.8	1827.4	1665.6	95.4	716.2	1044.8	3900.9	137.9	983.3	-34.7	-256.2	2814.6
THAILAND	0	0.6	+	0.6	91.5	1.4	3.8	89.1	151.5	8.0	2.5	157.0	201.7	20.1	0.3	221.5	444.7	30.1	6.6	-8.7	-2.9	456.6
TOTAL OTHER ASIA	**104.6**	**85.2**	**24.8**	**245.0**	**897.0**	**138.2**	**120.1**	**915.1**	**4589.1**	**287.0**	**429.0**	**4447.1**	**4036.6**	**413.8**	**1314.0**	**3136.4**	**9707.3**	**924.2**	**1887.9**	**-36.4**	**-428.7**	**8278.5**
MIDDLE EAST, AFRICA & OCEANIA																						
AUSTRALIA/N.Z.	0	0.7	0.2	0.5	0	1.8	+	1.8	34.6	47.6	0.4	81.8	2.6	19.1	1.0	20.7	37.2	69.2	1.6	+0.3	+10.0	115.1
EGYPT	17.4	0.2	+	17.6	11.5	+	0	11.5	23.8	10.9	0	34.7	88.2	2.1	21.7	68.6	140.9	13.2	+	+0.1	-3.7	150.5
IRAN	0	0.8	0	0.8	0	7.2	0	7.2	22.7	2.4	0	25.1	75.0	50.4	0	125.4	97.7	60.8	0	0	+3.9	162.4
IRAQ	6.6	0.6	0	7.2	12.3	0	0.6	11.7	0	0.8	0	0.8	0	1.7	0	1.7	18.9	3.1	0.6	+0.2	0	21.6
ISRAEL	0	0.6	0	0.6	0	0.3	0	0.3	28.4	13.4	9.7	32.1	0	48.7	1.3	47.4	28.4	63.0	11.0	+9.4	+6.5	96.3
KENYA	0	0	0	0	0	0.8	0	0.8	13.9	0.1	0	14.0	2.6	6.4	0	9.0	16.5	7.3	0	0	0	23.8
NIGERIA	0	0	0	0	0	0.2	0	0.2	10.4	1.6	3.5	8.5	2.4	7.7	0	10.1	12.8	9.5	3.5	+0.5	0	19.3
SOUTH AFRICA	0	+	0	+	0	0.8	0	0.8	112.2	9.8	10.6	111.4	67.5	19.5	1.4	85.6	179.7	30.1	12.0	+0.3	0	198.1
TANZANIA	0	0	0	0	0	0	0	0	0	0.1	0	0.1	0	0.6	0	0.6	0	0.7	0	0	0	0.7
TOTAL M.E., A. & O.	**24.0**	**2.9**	**0.2**	**26.7**	**23.8**	**11.1**	**0.6**	**34.3**	**246.0**	**86.7**	**24.2**	**308.5**	**238.3**	**156.2**	**25.4**	**369.1**	**532.1**	**256.9**	**28.7**	**+10.8**	**+16.7**	**787.8**
TOTAL ALL COUNTRIES	**1986.5**	**491.5**	**297.5**	**2180.5**	**4287.3**	**1129.5**	**1398.0**	**4018.8**	**15372.0**	**3111.2**	**2736.0**	**15747.2**	**17408.3**	**3920.0**	**3635.1**	**17693.2**	**39054.0**	**8652.2**	**8044.9**	**-25.8**	**-351.9**	**39283.6**

Explanation of this table can be found below.

NA Not Available.

+ Less than 100 thousand pounds.

NET AVAILABLE SUPPLY

The 1990 by-country production, import, export and net available or retained supply of four categories of manufactured fiber are presented in millions of pounds in Table 8. The data in Table 8 exclude acetate cigarette tow and include imports and exports of tire cord and tire cord fabric.

"Net Available Supply" is defined as production plus imports less exports plus the balance of trade in spun yarn. Sometimes this is called **"apparent consumption"**. **"Yarn"** is defined to include tire cord and tire cord fabric, filament yarn and monofilaments. **"Staple"** is defined to include tow, fiberfill, tops and advanced waste. Unprocessed waste is not included.

Except for spun yarns, the imports and exports of manufactured and semimanufactured products (e.g., fabric, dresses, hosiery, etc.) are not included in the manufactured fiber data.

The spun yarn data are shown under the **"Total Manufactured Fiber"** columns in Table 8. Space does not permit the presentation of import and export data separately. These data may include some quantities of blending fibers other than manufactured fiber.

A net import quantity is shown in the **"spun"** column as (+); in other words, an addition to a country's net available supply, while conversally a net export is shown as (-). For example, the 1990 artificial (cellulosic) spun yarn net figure for Japan is shown as -8.9, which consists of imports of 1.8 (+1.8) and exports of 10.7 (-10.7).

TABLE 9:
MILL CONSUMPTION OF MANUFACTURED FIBER, COTTON & WOOL IN SELECTED COUNTRIES EXCLUDING OLEFIN & GLASS FIBER

MILLION POUNDS

COUNTRY	MANUFACTURED FIBER[a]		COTTON[b]		WOOL[c]		TOTAL	
	1989	1990	1989	1990	1989	1990	1989	1990
WESTERN EUROPE								
AUSTRIA	147.2	370.2	48.0	55.2	9.0	8.7	204.2	434.1
BENELUX	720.0	1070.5	121.9	100.8	99.2	87.5	941.1	1258.8
FINLAND	114.2	202.4	12.5	5.3	2.3	1.3	129.0	209.0
FRANCE	815.4	806.7	275.5	249.6	62.1	47.7	1153.0	1104.0
WEST GERMANY	1145.6	1336.2	454.1	477.6	132.4	115.0	1732.1	1928.8
GREECE	95.8	126.7	374.9	330.7	31.1	31.6	501.8	489.0
IRELAND	74.2	79.4	60.0	57.6	20.1	21.7	154.3	158.7
ITALY/MALTA	1195.7	1435.8	694.6	756.0	294.5	303.5	2184.8	2495.3
NORWAY	18.3	21.4	7.2	6.7	4.5	4.6	30.0	32.7
PORTUGAL	225.3	245.3	401.3	427.2	22.1	23.7	648.7	696.2
SPAIN	725.2	573.8	339.4	338.4	36.6	28.3	1101.2	940.5
SWEDEN	78.3	68.2	11.0	11.0	0.9	0.9	90.2	80.1
SWITZERLAND	62.6	51.6	147.8	136.8	14.7	15.5	225.1	203.9
TURKEY	582.7	608.6	1234.6	1190.4	d	139.7	1817.3	1938.7
UNITED KINGDOM	937.5	918.0	76.8	52.8	177.8	175.9	1192.1	1146.7
TOTAL WESTERN EUROPE	**6938.0**	**7914.8**	**4259.6**	**4196.1**	**907.3**	**1005.6**	**12104.9**	**13116.5**
EASTERN EUROPE								
ALBANIA	2.0	2.2	16.8	16.3	d	d	18.8	18.5
BULGARIA	226.4	186.6	117.6	86.4	30.7	28.4	374.7	301.4
CZECHOSLOVAKIA	367.6	395.0	262.1	214.6	56.9	44.2	686.6	653.8
EAST GERMANY	711.9	578.9	182.4	0	48.5	40.5	942.8	619.4
HUNGARY	83.2	49.2	121.9	90.2	10.6	9.9	215.7	149.3
POLAND	444.4	298.5	316.3	199.2	43.5	30.0	804.2	527.7
ROMANIA	562.7	496.1	161.8	171.8	44.1	34.0	768.6	701.9
U.S.S.R.	3396.1	3447.4	4416.0	4195.2	736.1	567.5	8548.2	8210.1
YUGOSLAVIA	399.7	410.3	231.4	168.5	32.2	27.2	663.3	606.0
TOTAL EASTERN EUROPE	**6194.0**	**5864.2**	**5826.3**	**5142.2**	**1002.6**	**781.7**	**13022.9**	**11788.1**
TOTAL EUROPE	**13132.0**	**13779.0**	**10085.9**	**9338.3**	**1909.9**	**1787.3**	**25127.8**	**24904.6**
U.S.A.	**7242.2**	**6628.8**	**4128.0**	**4080.0**	**130.1**	**111.0**	**11500.3**	**10819.8**
CANADA	**550.8**	**443.0**	**90.2**	**88.3**	**14.2**	**9.6**	**655.2**	**540.9**
OTHER AMERICAS								
ARGENTINA	106.5	111.9	217.0	312.0	45.6	53.7	370.1	477.6
BOLIVIA	2.3	2.2	24.0	21.6	10.9	10.9	37.2	34.7
BRAZIL	634.7	539.6	1708.8	1596.0	13.2	9.9	2356.7	2145.5
CHILE	52.5	59.5	33.6	52.8	16.8	17.0	102.9	129.3
COLOMBIA	132.2	134.7	212.6	258.2	5.7	4.3	350.5	397.2
COSTA RICA	2.8	11.7	5.8	6.2	d	d	8.6	17.9
CUBA	18.7	19.4	96.0	86.4	d	d	114.7	105.8
ECUADOR	29.3	23.9	38.4	39.8	d	2.2	67.7	65.9
MEXICO	765.2	742.2	360.5	368.6	12.8	12.8	1138.5	1123.6
PERU	109.3	103.5	175.2	134.4	11.0	9.9	295.5	247.8
URUGUAY	17.4	17.4	4.8	12.0	12.3	12.0	34.5	41.4
VENEZUELA	99.5	91.9	55.2	99.4	1.6	2.6	156.3	193.9
TOTAL OTHER AMERICAS	1970.4	1857.9	2931.9	2987.4	130.9	135.3	5033.2	4980.6

TABLE 9:
MILL CONSUMPTION OF MANUFACTURED FIBER, COTTON & WOOL IN SELECTED COUNTRIES EXCLUDING OLEFIN & GLASS FIBER *(CONTINUED)*

MILLION POUNDS

COUNTRY	MANUFACTURED FIBER [a]		COTTON [b]		WOOL [c]		TOTAL	
	1989	1990	1989	1990	1989	1990	1989	1990
JAPAN	**2851.5**	**2973.8**	**1545.6**	**1411.2**	**268.8**	**243.0**	**4665.9**	**4628.0**
CHINA, PRC	**4355.0**	**4534.8**	**9675.8**	**9804.0**	**536.7**	**376.3**	**14567.5**	**14715.1**
OTHER ASIA								
BANGLADESH	17.3	14.7	151.2	166.6	d	d	168.5	181.3
HONG KONG	60.6	92.0	528.0	460.8	13.9	10.4	602.5	563.2
INDIA	1149.9	1396.6	4104.0	4344.5	70.9	84.4	5324.8	5825.5
INDONESIA	687.3	792.7	639.4	740.6	d	d	1326.7	1533.3
KOREA, REP. OF	2353.0	2266.2	984.5	960.0	116.0	100.3	3453.5	3326.5
MALAYSIA	116.4	114.2	101.3	97.0	3.0	4.1	220.7	215.3
PAKISTAN	147.5	198.1	2286.2	2772.0	54.0	45.9	2487.7	3016.0
PHILIPPINES	134.5	124.4	147.8	121.4	d	d	282.3	245.8
SRI LANKA	7.2	8.4	21.6	19.2	d	d	28.8	27.6
TAIWAN	2993.2	2814.6	727.7	681.1	46.1	19.8	3767.0	3515.5
THAILAND	422.0	456.6	661.4	694.6	d	d	1083.4	1151.2
TOTAL OTHER ASIA	**8088.9**	**8278.5**	**10353.1**	**11057.8**	**303.9**	**264.9**	**18745.9**	**19601.2**
MIDDLE EAST, AFRICA & OCEANIA								
AUSTRALIA/N.Z	122.9	115.1	53.8	56.2	81.8	77.1	258.5	248.4
EGYPT	101.0	150.5	614.4	687.8	13.4	7.0	728.8	845.3
IRAN	125.7	162.4	264.5	276.0	53.8	47.0	444.0	485.4
IRAQ	42.3	21.6	100.8	72.0	20.1	11.5	163.2	105.1
ISRAEL	75.4	96.3	36.0	46.1	3.3	1.7	114.7	144.1
KENYA	24.6	23.8	28.8	30.2	2.0	0	55.4	54.0
NIGERIA	21.4	19.3	123.4	163.2	0	0	144.8	182.5
SOUTH AFRICA	291.8	198.1	148.8	166.6	27.8	24.4	468.4	389.1
TANZANIA	7.2	0.7	32.2	29.3	0	0	39.4	30.0
TOTAL M.E., A. & O.	**812.3**	**787.8**	**1402.7**	**1527.4**	**202.2**	**168.7**	**2417.2**	**2483.9**
TOTAL ALL COUNTRIES	**39003.1**	**39283.6**	**40213.2**	**40294.4**	**3496.7**	**3096.1**	**82713.0**	**82674.1**

a. Manufactured fiber data are from Table 8, pages 10 & 11, this issue and Table 12, pages 14 & 15, of the January 1991 issue. The data show the manufactured net available supply, which approximates mill consumptions.

b. **Source:** International Cotton Advisory Committee, ***Cotton: World Statistics***, Vol. 45, No. 1, October 1991. Cotton refers to ginned raw cotton. It does not refer to waste or cotton fibers subjected to any other process. Data are for the cotton years ending July 31, 1989 & 1990.

c. **Source:** Commonwealth Secretariat, ***Wool Statistics***, 1990-1991. Wool refers to virgin wool, clean basis, at the spinning stage.

d. Represents minimal quantity, with exact amount not reported.

TABLE 10:
U.S. PRODUCTION OF HOSIERY, 1981-1990
MILLION DOZEN PAIRS

ITEM	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
WOMEN'S										
PANTYHOSE - SHEER	59.6	58.5	64.0	67.1	57.9	57.3	53.7	51.9	46.2	40.2
- ELASTOMER	39.0	43.2	47.6	39.4	49.0	52.0	56.0	64.7	65.9	64.2
- OTHER [a]	2.4	3.4	5.0	7.4	7.3	8.8	10.2	8.6	7.5	8.4
SUBTOTAL PANTYHOSE	**101.0**	**105.1**	**116.6**	**113.9**	**114.2**	**118.1**	**119.9**	**125.2**	**119.6**	**112.8**
STOCKINGS - NONSTRETCH	1.8	1.5	1.5	1.3	1.2	1.3	1.6	1.2	1.7	1.4
- STRETCH	2.1	2.4	2.7	2.5	2.2	1.8	2.2	2.2	2.8	2.8
- SUPPORT	0.6	0.5	0.6	0.4	0.4	0.3	0.4	0.3	0.6	0.9
- OTHER	0.1	0.1	+	+	0.1	0.1	+	0.1	+	+
SUBTOTAL STOCKINGS	**4.6**	**4.5**	**4.8**	**4.2**	**3.9**	**3.5**	**4.2**	**3.8**	**5.1**	**5.1**
SHEER KNEE-HIGHS & ANKLETS	42.6	38.1	40.3	44.0	42.2	45.3	42.8	40.9	42.2	36.4
TOTAL WOMEN'S	**148.2**	**147.7**	**161.7**	**162.1**	**160.3**	**166.9**	**166.9**	**169.9**	**166.9**	**154.3**
MEN'S (SIZES 10 and up)										
ANKLETS & FOOTSOCKS	27.8	27.1	27.2	26.8	26.0	26.6	26.9	24.1	24.9	21.6
MID-CALF	19.9	17.3	17.8	17.7	17.6	19.6	18.9	21.9	22.5	21.0
KNEE-HIGHS	20.7	17.6	21.5	23.9	23.8	21.5	18.4	21.2	20.6	18.3
TOTAL MEN'S	**68.4**	**62.0**	**66.5**	**68.4**	**67.4**	**67.7**	**64.2**	**67.2**	**68.0**	**60.9**
GIRLS', BOYS' & WOMEN'S (SIZES 8 -11)										
ANKLETS	14.6	11.9	17.3	19.5	19.4	27.4	29.1	29.8	37.8	36.1
KNEE-HIGHS	29.8	23.4	25.7	20.2	17.0	13.7	11.4	11.1	8.9	7.9
MID-CALF/CREW	4.5	4.0	4.9	4.5	6.2	8.2	12.1	14.9	19.4	18.9
WAIST-HIGHS	0.5	0.5	0.5	0.5	0.6	0.5	0.7	0.7	0.7	0.8
FOOTSOCKS	9.4	6.5	5.8	5.2	6.1	6.4	5.9	4.6	3.4	4.4
TOTAL GIRLS', BOYS' & WOMEN'S	**58.8**	**46.3**	**54.2**	**49.9**	**49.3**	**56.2**	**59.2**	**61.1**	**70.2**	**68.1**
INFANTS' & CHILDREN'S (SIZES 3 - 8 1/2)										
ANKLETS	20.5	16.1	16.5	15.5	14.2	16.6	16.9	17.0	21.4	18.8
KNEE-HIGHS	7.7	6.7	7.0	5.8	4.6	3.5	3.3	3.9	3.4	1.9
MID-CALF	1.2	1.4	1.4	3.6	5.7	6.7	7.9	10.8	14.9	10.0
WAIST-HIGHS & FOOTSOCKS	1.8	1.6	2.1	2.3	1.8	1.6	1.5	1.7	1.5	6.0*
TOTAL INFANTS' & CHILDREN'S	**31.2**	**25.8**	**27.0**	**27.2**	**26.3**	**28.4**	**29.6**	**33.4**	**41.2**	**36.7**
TOTAL HOSIERY	**306.6**	**281.8**	**309.4**	**307.6**	**303.3**	**319.2**	**319.9**	**331.6**	**346.3**	**320.0**

SOURCE: National Association of Hosiery Manufactures - ***1990 Hosiery Statistics.***

+ Less than 100 thousand dozen pairs.

* Reflects data not included prior to 1990.

a. Includes opaque hosiery, which is defined as hosiery knit on 370 needles or more, using leg yarn 30 denier or coarser.

TABLE 11:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

	1991												YEAR TO DATE	
ITEMS & COUNTRY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	123	0	38	114	80	117	151	74	69	56	14		836	626
BELGIUM	3	21	4	41	6	9	19	111	281	288	170		953	20
BRAZIL	109	164	28	109	27	27	23	28	18	0	138		671	867
CANADA	775	408	877	1147	905	740	633	730	1165	1486	1689		10555	5314
CHILE	44	22	44	0	44	66	110	88	110	154	66		748	1037
WEST GERMANY	478	633	531	493	686	421	448	810	809	1069	771		7149	7310
JAPAN	111	134	114	119	142	108	177	82	287	179	143		1596	1070
MEXICO	150	39	118	41	79	64	136	205	109	227	96		1264	1088
NETHERLANDS	263	188	279	218	129	277	191	196	110	197	152		2200	3199
UNITED KINGDOM	86	0	0	35	109	38	183	262	230	291	351		1585	375
ALL OTHER COUNTRIES [a]	15	35	29	2	0	26	8	26	2	4	1		148	1179
TOTAL ARTIFICIAL YARN	**2157**	**1644**	**2062**	**2319**	**2207**	**1893**	**2079**	**2612**	**3190**	**3951**	**3591**		**27705**	**22085**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	1339	1371	1214	396	1672	1470	1377	2002	2981	1404	1163		16389	14389
CANADA	3228	2840	3042	1843	1824	3870	3587	4086	3382	3760	4728		36190	44488
CHINA, PRC	321	0	251	211	760	0	0	149	0	0	0		1692	563
FINLAND	309	197	371	143	167	459	491	391	379	368	563		3838	5789
WEST GERMANY	515	46	0	0	0	0	262	81	0	7	80		991	4889
JAPAN	84	227	95	95	95	109	62	79	40	30	145		1061	1615
TAIWAN	1336	1268	1186	1721	1148	1773	813	176	416	308	0		10145	14454
THAILAND	763	1317	232	296	513	231	220	0	0	268	0		3840	2902
UNITED KINGDOM	815	438	473	128	70	21	332	128	236	202	80		2923	5656
YUGOSLAVIA	584	29	2559	636	81	239	729	84	39	166	0		5146	1729
ALL OTHER COUNTRIES [b]	223	206	0	122	119	81	590	120	108	224	247		2040	5837
TOTAL ARTIFICIAL STAPLE+TOW	**9517**	**7939**	**9423**	**5591**	**6449**	**8253**	**8463**	**7296**	**7581**	**6737**	**7006**		**84255**	**102311**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	239	40	100	143	33	57	33	19	0	0	4		668	5856
BRAZIL	0	0	0	48	0	35	0	0	0	1	10		94	675
CANADA	2668	3903	3431	4073	5854	4970	5217	5412	4778	5961	5920		52187	43005
COSTA RICA	725	454	473	544	669	469	512	665	577	611	445		6144	5719
ECUADOR	0	34	34	15	0	0	0	0	0	0	0		83	482
FRANCE	627	705	668	841	962	1212	450	900	510	911	822		8608	10545
WEST GERMANY	1556	1449	1843	1576	1857	2178	2093	2337	1589	1742	2165		20385	20766
IRELAND	147	215	119	34	193	285	129	239	266	683	144		2454	551
ISRAEL	50	179	110	74	146	136	223	176	294	242	290		1920	0
ITALY	106	109	29	38	75	73	116	107	47	124	193		1017	5409
JAPAN	853	903	1401	1266	1190	894	1522	1605	932	1671	1145		13382	6179
KOREA, REP. OF	117	59	149	5	146	45	119	139	66	145	41		1031	572
MEXICO	1414	1663	1343	1620	1438	1066	1028	996	1384	1763	1253		14968	17617
NETHERLANDS	223	258	329	284	305	416	359	367	287	833	467		4128	2932
TAIWAN	89	91	45	132	184	184	122	132	166	69	61		1275	5306
THAILAND	61	67	65	95	129	63	81	66	74	110	30		841	830
UNITED KINGDOM	1740	1370	2596	1637	1678	1695	2578	2287	2275	2264	2661		22781	16307
ALL OTHER COUNTRIES [c]	75	82	58	222	104	501	630	462	404	337	389		3264	1908
TOTAL SYNTHETIC YARN	**10690**	**11581**	**12793**	**12647**	**14963**	**14279**	**15212**	**15909**	**13649**	**17467**	**16040**		**155230**	**144659**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	15	25	0	12	1	3	0	1	12	4	16		89	373
AUSTRALIA	75	143	0	81	60	8	47	0	45	38	35		532	864
BRAZIL	0	110	199	87	86	0	123	52	0	0	0		657	2774
CANADA	1378	1146	968	1942	2184	2466	2427	1699	2993	5142	3803		26148	24896
FRANCE	544	417	282	421	382	323	471	417	435	329	363		4384	4793
WEST GERMANY	1136	1400	1732	1931	1556	1881	1902	2022	1794	2050	1945		19351	13309
INDIA	3008	3879	264	0	1186	646	152	144	333	290	400		10302	14544
IRELAND	0	0	0	0	357	328	660	208	366	310	40		2269	546
ITALY	176	47	80	53	203	11	48	175	28	196	187		1204	2383
JAPAN	2386	2197	2080	1840	2110	2337	2270	2143	2080	2541	2286		24270	21809
KOREA, REP. OF	4958	6473	6864	5486	7279	6700	6126	6620	3456	7998	6327		68287	40722
MALAYSIA	0	95	0	48	48	44	44	44	0	0	0		323	279
MEXICO	1957	1575	1576	2743	2130	1364	2809	2304	971	2252	1426		21107	21948
SPAIN	14	22	0	20	29	7	154	82	37	61	44		470	288
SWITZERLAND	117	285	152	127	183	363	364	370	372	465	72		2870	2124
TAIWAN	3102	1918	1891	3664	3181	2923	2864	4005	3625	5170	5100		37443	15161
TURKEY	0	0	2	111	0	151	65	37	0	73	0		439	764
UNITED KINGDOM	1848	1395	983	1630	1359	1064	1017	1406	956	1821	1958		15417	18761
ALL OTHER COUNTRIES [d]	137	87	29	170	77	213	580	394	140	332	242		2401	2239
TOTAL SYNTHETIC STAPLE+TOW	**20851**	**21214**	**17082**	**20366**	**22413**	**20832**	**22123**	**22123**	**17643**	**29072**	**24244**		**237963**	**188577**

a. India 103, France 16, Italy 16, Spain 7, Taiwan 5, Hong Kong 1.

b. Sweden 1125, Poland 225, Turkey 219, Romania 177, Spain 136, Belgium 45, Syria 44, Netherlands 38, USSR 18, France 4, Italy 4, Brazil 3, Mexico 2.

c. Turkey 1658, Australia 278, Portugal 182, Sweden 174, Czechoslovakia 167, Austria 145, Switzerland 134, Peru 106, Singapore 84, Venezuela 60, Colombia 42, Spain 42, China, PRC 39, Honduras 39, Hong Kong 37, El Salvador 25, Morocco 17, Yugoslavia 13, Denmark 6, Greece 5, Argentina 4, South Africa 4, Finland 2, India 1.

d. Denmark 1027, Israel 479, Hong Kong 246, China, PRC 223, Netherlands 107, Romania 85, Hungary 63, South Africa 63, Thailand 49, Czechoslovakia 34, Belgium 16, Colombia 4, Ecuador 3, Sweden 1, USSR 1.

TABLE 12:
U.S. MANUFACTURED FIBER IMPORTS[a]
THOUSAND POUNDS

ITEM	1991												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	311	129	212	316	231	83	77	311	298	842	580		3390	2106
TEXTURED	0	0	0	0	0	0	5	0	0	28	0		33	364
OTHER	1845	1514	1847	1999	1975	1809	1996	2300	2888	3080	3011		24264	18977
MONOFILAMENTS & STRIPS	1	1	3	4	1	1	1	1	4	1	0		18	638
SUBTOTAL ABOVE	2157	1644	2062	2319	2207	1893	2079	2612	3190	3951	3591		27705	22085
STAPLE	8891	7889	9419	5533	6391	8250	8359	7269	7549	6613	6943		83106	97333
TOW	626	50	4	58	58	3	104	27	32	117	63		1142	4971
TOPS	0	0	0	0	0	0	0	0	0	7	0		7	7
SUBTOTAL ABOVE	9517	7939	9423	5591	6449	8253	8463	7296	7581	6737	7006		84255	102311
WASTE	87	129	0	695	177	275	321	89	128	38	0		1939	471
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	1173	2391	1704	2541	1923	1751	1450	1330	940	1175	827		17205	14450
TEXTURED														
UP TO 450 DENIER	198	350	232	285	478	302	535	336	377	542	391		4026	3245
OVER 450 DENIER	1197	1786	1557	1069	3421	3870	3037	3336	2638	3597	3886		29394	27096
POY	2103	1563	3032	1981	2240	2740	2969	2577	2270	2210	3020		26705	9607
OTHER	834	780	821	1828	1718	1726	2312	2544	2460	3184	2352		20559	21595
MONOFILAMENTS & STRIPS	150	72	131	131	139	51	172	111	117	107	132		1313	1518
SUBTOTAL ABOVE	5655	6942	7477	7835	9919	10440	10475	10234	8802	10815	10608		99202	77511
POLYESTER														
HIGH TENACITY	785	708	651	621	671	339	340	598	563	556	1129		6961	5691
TEXTURED	833	810	561	622	642	455	383	476	684	643	597		6706	9993
POY	207	172	201	246	406	300	238	240	334	183	206		2733	4404
OTHER	1548	1439	2102	1371	1486	1064	1490	1943	1634	2499	1726		18302	18082
MONOFILAMENTS & STRIPS	41	31	30	68	31	73	141	58	52	12	48		585	612
SUBTOTAL ABOVE	3414	3160	3545	2928	3236	2231	2592	3315	3267	3893	3706		35287	38782
OTHER SYNTHETIC FILAMENT														
TEXTURED	248	105	164	174	107	103	194	132	84	105	130		1546	19440
OTHER	841	804	1233	1149	1260	870	1261	1372	859	1817	935		12401	3110
MONOFILAMENTS & STRIPS	532	570	374	561	441	635	690	856	637	837	661		6794	6116
SUBTOTAL ABOVE	1621	1479	1771	1884	1808	1608	2145	2360	1580	2759	1726		20741	28666
STAPLE														
NYLON	1879	1788	1576	2330	2039	2057	2881	2247	2973	2823	2330		24923	33888
POLYESTER	14049	15468	11687	12879	15989	14655	14125	14868	10860	20844	16496		161920	107089
ACRYLIC	853	804	971	1640	1303	1403	1364	1098	1438	1379	1276		13529	15670
POLYPROPYLENE	134	305	363	271	156	464	1093	782	93	58	155		3874	1519
OTHER	276	229	400	211	308	204	248	285	302	339	388		3190	2793
TOW														
NYLON	591	386	240	543	533	325	564	567	545	524	476		5294	4763
POLYESTER	35	272	35	150	46	132	10	107	35	91	35		948	905
ACRYLIC	2869	1898	1768	2227	1957	1438	1649	2058	1108	2440	2025		21437	19334
OTHER	16	59	0	0	10	0	0	45	0	0	37		167	529
TOPS	149	5	42	115	72	154	189	66	289	574	1026		2681	2087
SUBTOTAL ABOVE	20851	21214	17082	20366	22413	20832	22123	22123	17643	29072	24244		237963	188577
WASTE														
NYLON	2030	1483	1648	1319	1611	1555	1931	2153	1788	1982	1091		18591	20169
POLYESTER	2217	1032	774	765	886	1091	905	1185	1164	1458	855		12332	22808
OTHER	309	381	625	751	499	499	632	565	716	987	650		6614	7868
TOTAL MANUFACTURED FIBERS ABOVE	47858	45403	44407	44453	49205	48677	51666	51932	45859	61692	53477		544629	509248
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	49	163	98	125	189	90	185	93	119	207	217		1535	999
SPUN YARN	579	341	416	648	575	525	800	635	824	431	418		6192	5380
SPUN YARNS														
SYNTHETIC	431	843	746	610	636	663	581	487	539	528	659		6723	22440
ARTIFICIAL	0	0	0	0	0	0	0	0	0	0	0		0	0
PUT UP FOR RETAIL SALE	67	66	58	60	91	66	28	56	35	32	29		588	145
GRAND TOTAL ABOVE	48984	46816	45725	45896	50696	50021	53260	53203	47376	62890	54800		559667	538212

SOURCE: U.S. Census Bureau Report IM145X.

a. U.S. General Imports.

TABLE 13:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

	1991												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	134	284	263	22	74	82	115	207	100	20	198		1499	1121
TEXTURED	65	44	41	198	31	159	79	208	89	20	37		971	1179
OTHER	211	69	132	193	41	257	67	87	15	109	85		1266	660
MONOFILAMENTS & STRIPS	2	8	42	12	6	9	24	65	18	20	56		262	243
SUBTOTAL ABOVE	**412**	**405**	**478**	**425**	**152**	**507**	**285**	**567**	**222**	**169**	**376**		**3998**	**3203**
STAPLE	970	779	549	710	1403	2701	1571	1221	1159	1535	1608		14206	14456
TOPS	0	15	3	0	53	103	159	0	116	575	690		1714	1335
SUBTOTAL ABOVE	**970**	**794**	**552**	**710**	**1456**	**2804**	**1730**	**1221**	**1275**	**2110**	**2298**		**15920**	**15791**
WASTE	**527**	**666**	**2006**	**425**	**500**	**508**	**360**	**834**	**363**	**1190**	**837**		**8216**	**5904**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	8070	7887	9547	9139	8564	5075	6075	4386	4333	4581	4519		72176	114118
TEXTURED														
UP TO 450 DENIER	1068	886	1636	1558	1172	1106	770	1121	829	921	1140		12207	10411
OVER 450 DENIER	4023	4917	3298	3021	2921	3681	4369	3046	4370	3906	3517		41069	44578
POY	61	102	38	66	17	21	6	16	30	14	17		388	0
OTHER	3060	2769	3549	3394	3367	4106	2555	2955	3644	3481	3522		36402	26586
MONOFILAMENTS & STRIPS	34	57	6	56	31	34	14	39	35	41	31		378	688
SUBTOTAL ABOVE	**16316**	**16618**	**18074**	**17234**	**16072**	**14023**	**13789**	**11563**	**13241**	**12944**	**12746**		**162620**	**196381**
POLYESTER														
HIGH TENACITY	5640	5735	5488	5274	6132	7976	5217	3770	3367	4188	3949		56736	47493
TEXTURED	5014	4345	7042	5020	6176	5011	4888	4724	4970	4666	2962		54818	40740
POY	657	685	2216	2078	1814	898	747	405	1011	261	2451		13223	15359
OTHER	2391	1711	2362	2654	2594	1376	2530	3098	3737	3657	1460		27570	21976
MONOFILAMENTS & STRIPS	138	80	235	349	430	363	85	386	196	138	105		2505	2012
SUBTOTAL ABOVE	**13840**	**12556**	**17343**	**15375**	**17146**	**15624**	**13467**	**12383**	**13281**	**12910**	**10927**		**154852**	**127580**
OTHER SYNTHETIC FILAMENT														
TEXTURED	603	627	620	473	637	420	398	670	578	598	965		6589	6040
OTHER	2963	1623	2068	2461	2088	1693	2320	1308	1063	2101	1480		21168	24199
MONOFILAMENTS & STRIPS	1050	859	1470	1062	1138	1092	1251	1612	1371	2001	1172		14078	11769
SUBTOTAL ABOVE	**4616**	**3109**	**4158**	**3996**	**3863**	**3205**	**3969**	**3590**	**3012**	**4700**	**3617**		**41835**	**42008**
STAPLE														
NYLON	2146	2453	1337	1768	2288	2925	1806	2547	3324	2851	3026		26471	24932
POLYESTER	6379	8388	10134	9404	10384	9044	7979	10004	11139	7313	7836		98004	76296
ACRYLIC	2431	1826	2976	2459	2082	3630	2592	1149	1616	1429	2121		24311	47305
POLYPROPYLENE	3302	1817	1957	3106	2742	2253	2680	3715	2708	2857	3357		30494	26126
OTHER	1489	1074	1811	1089	1383	682	1166	709	781	773	298		11255	13832
TOW														
NYLON	253	150	187	122	96	141	102	159	161	159	293		1823	1832
POLYESTER	58	1	32	79	47	60	14	76	23	26	67		483	768
ACRYLIC	1511	1278	855	339	328	796	439	487	514	522	659		7728	20078
OTHER	14	1	402	7	3	0	0	16	28	2	74		547	1660
TOPS	11009	5452	6387	4995	10029	2354	7337	7718	5749	13166	11615		85811	58263
SUBTOTAL ABOVE	**28592**	**22440**	**26078**	**23368**	**29382**	**21885**	**24115**	**26580**	**26043**	**29098**	**29346**		**286927**	**271092**
WASTE														
NYLON	2788	2965	3563	2700	1549	3207	2195	2134	2078	2456	2206		27841	37352
POLYESTER	2989	5530	5263	2796	2684	1716	3340	2878	4935	3422	5855		41408	30141
OTHER	6305	6811	7387	7147	6759	8674	4910	6273	5599	6427	6110		72402	57875
TOTAL MANUFACTURED FIBERS ABOVE	**77355**	**71894**	**84902**	**74176**	**79563**	**72153**	**68160**	**68023**	**70049**	**75426**	**74318**		**816019**	**787327**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	827	890	850	1560	761	905	845	1371	977	712	795		10493	437
SPUN YARN	159	277	174	178	275	156	272	1781	237	240	710		4459	0
SPUN YARNS														
SYNTHETIC	891	1256	1434	1865	1403	1521	1641	1266	1264	1703	1678		15922	46176
ARTIFICIAL	123	145	216	264	285	468	347	517	512	559	533		3969	0
PUT UP FOR RETAIL SALE	1488	1488	2601	2873	2730	3077	2946	4189	4482	2245	2027		30146	8674
GRAND TOTAL ABOVE	**80843**	**75950**	**90177**	**80916**	**85017**	**78280**	**74211**	**77147**	**77521**	**80885**	**80061**		**881008**	**842614**

SOURCE: U.S. Census Bureau Report EM522.

GRAPH 6:
TOTAL MANUFACTURED FIBER PRODUCTION & SHIPMENTS
MILLION POUNDS

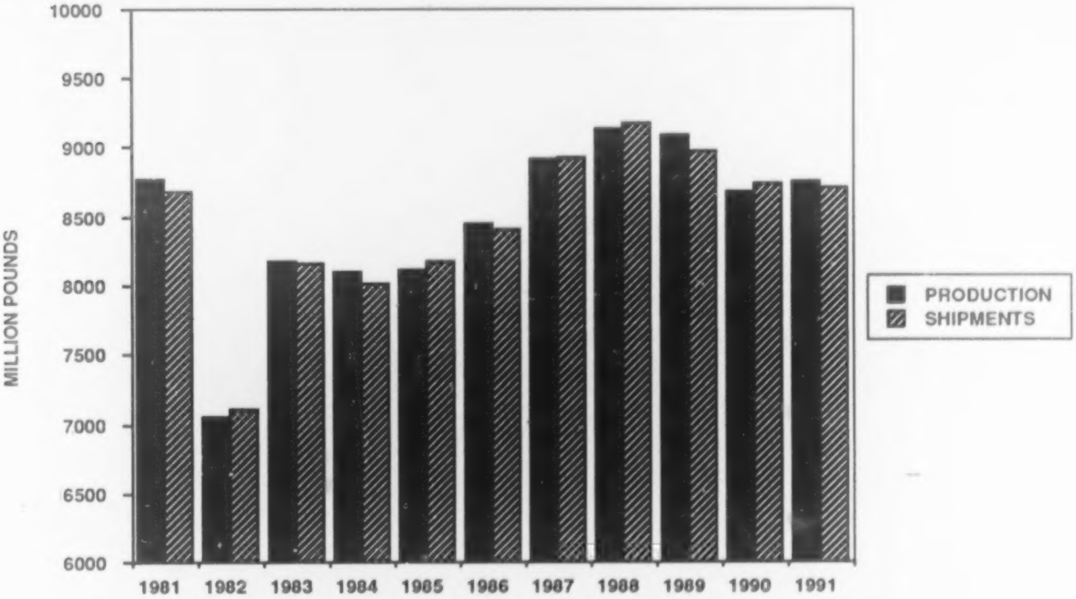


TABLE 14:
TOTAL MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1991	1990	% CHG. 1991/1990	1989	% CHG. 1991/1989	1988	% CHG. 1991/1988
ARTIFICIAL (CELLULOSIC)							
YARN	212.2	206.7	*+2.7*	219.0	*-3.1*	216.7	*-2.1*
RAYON STAPLE	263.6	304.2	*-13.3*	354.4	*-25.6*	406.5	*-35.2*
TOTAL ARTIFICIAL (CELLULOSIC)	**475.8**	**510.9**	***-6.9***	**573.4**	***-17.0***	**623.2**	***-23.7***
SYNTHETIC (NONCELLULOSIC)							
YARN+MONOFILAMENTS							
NYLON - INDUSTRIAL	314.3	341.2	*-7.9*	364.5	*-13.8*	375.2	*-16.2*
- CARPET	938.5	986.0	*-4.8*	967.7	*-3.0*	976.2	*-3.9*
- TEXTILE [a]	383.1	369.1	*+3.8*	399.9	*-4.2*	387.0	*-1.0*
POLYESTER - INDUSTRIAL	335.6	360.9	*-7.0*	365.3	*-8.1*	360.2	*-6.8*
- TEXTILE [a]	860.8	770.2	*+11.8*	804.0	*+7.1*	871.9	*-1.3*
OLEFIN	1402.2	1426.3	*-1.7*	1248.5	*+12.3*	1219.6	*+15.0*
TOTAL YARN	**4234.5**	**4253.7**	***-0.5***	**4149.9**	***+2.0***	**4190.1**	***+1.1***
STAPLE+TOW+FIBERFILL							
NYLON	862.5	974.7	*-11.5*	978.5	*-11.9*	963.9	*-10.5*
ACRYLIC+MODACRYLIC	447.1	500.6	*-10.7*	537.4	*-16.8*	590.2	*-24.2*
POLYESTER	2230.9	2098.7	*+6.3*	2354.8	*-5.3*	2448.9	*-8.9*
OLEFIN	457.5	410.6	*+11.4*	377.4	*+21.2*	363.8	*+25.8*
TOTAL STAPLE	**3998.0**	**3984.6**	***+0.3***	**4248.1**	***-5.9***	**4366.8**	***-8.4***
TOTAL SYNTHETIC (NONCELLULOSIC)	**8232.5**	**8238.3**	***-0.1***	**8398.0**	***-2.0***	**8556.9**	***-3.8***
TOTAL MANUFACTURED FIBER	**8708.3**	**8749.2**	***-0.5***	**8971.4**	***-2.9***	**9180.1**	***-5.1***

a. Includes low denier industrial yarn.

TABLE 15:
SELECTED U.S. ANNUAL FIBER DATA
MILLION POUNDS

ITEM	1985	1986	1987	1988	1989	1990	1991
	MANUFACTURED FIBER TOTAL SHIPMENTS[a] [b]						
ARTIFICIAL (CELLULOSIC)							
YARN	210.1	212.3	191.7	216.7	219.0	206.7	212.2
RAYON STAPLE	358.7	403.8	415.5	406.5	354.4	304.2	263.6
TOTAL ARTIFICIAL (CELLULOSIC)	**568.8**	**616.1**	**607.2**	**623.2**	**573.4**	**510.9**	**475.8**
SYNTHETIC (NONCELLULOSIC)							
YARN+MONOFILAMENTS							
NYLON - INDUSTRIAL[c]	345.1	333.4	373.4	375.2	364.5	341.2	314.3
- CARPET	835.4	898.5	941.6	976.2	967.7	986.0	938.5
- TEXTILE	355.3	360.5	378.8	387.0	399.9	369.1	383.1
POLYESTER - INDUSTRIAL[c]	292.1	313.9	338.8	360.2	365.3	360.9	335.6
- TEXTILE[d]	1020.4	855.8	841.5	871.9	804.0	770.2	860.8
OLEFIN[e]	951.1	1059.7	1143.8	1219.6	1248.5	1426.3	1402.2
TOTAL YARN	**3799.4**	**3821.8**	**4017.9**	**4190.1**	**4149.9**	**4253.7**	**4234.5**
STAPLE+TOW+FIBERFILL							
NYLON	843.6	908.2	985.5	963.9	978.5	974.7	862.5
ACRYLIC+MODACRYLIC	643.8	614.1	594.4	590.2	537.4	500.6	447.1
POLYESTER	2038.6	2123.4	2369.2	2448.9	2354.8	2098.7	2230.9
OLEFIN[f]	288.2	331.5	363.9	363.8	377.4	410.6	457.5
TOTAL STAPLE	**3814.2**	**3977.2**	**4313.0**	**4366.8**	**4248.1**	**3984.6**	**3998.0**
TOTAL SYNTHETIC (NONCELL.)	**7613.6**	**7799.0**	**8330.9**	**8556.9**	**8398.0**	**8238.3**	**8232.5**
TOTAL MANUFACTURED FIBER	**8182.4**	**8415.1**	**8938.1**	**9180.1**	**8971.4**	**8749.2**	**8708.3**
	MANUFACTURED FIBER YEAR END STOCK						
ARTIFICIAL (CELLULOSIC)							
YARN	12.3	14.8	14.2	11.4	9.9	9.4	10.4
RAYON STAPLE	22.5	22.4	20.7	14.0	22.4	17.3	27.0
TOTAL ARTIFICIAL (CELLULOSIC)	**34.8**	**37.2**	**34.9**	**25.4**	**32.3**	**26.7**	**37.4**
SYNTHETIC (NONCELLULOSIC)							
YARN+MONOFILAMENTS							
NYLON - INDUSTRIAL[c]	25.5	30.8	20.9	22.3	31.1	24.4	32.1
- CARPET	46.4	54.7	65.4	57.3	63.8	57.8	80.7
- TEXTILE	47.8	47.3	49.9	45.7	57.5	45.8	47.3
POLYESTER - INDUSTRIAL[c]	24.2	29.4	27.8	35.0	36.8	36.5	37.9
- TEXTILE[d]	83.7	81.5	81.5	70.9	108.9	83.3	93.3
OLEFIN[e]	64.9	62.9	52.9	57.4	66.1	56.4	59.4
TOTAL YARN	**292.5**	**306.6**	**298.4**	**288.6**	**364.2**	**304.2**	**350.7**
STAPLE+TOW+FIBERFILL							
NYLON	62.7	62.8	69.7	47.5	49.8	64.7	71.0
ACRYLIC+MODACRYLIC	64.4	66.2	63.3	61.2	66.5	71.7	78.5
POLYESTER	155.0	163.9	156.5	159.4	189.9	181.1	152.4
OLEFIN[f]	29.7	33.5	30.1	30.3	34.6	29.5	31.8
TOTAL STAPLE	**311.8**	**326.4**	**319.6**	**298.4**	**340.8**	**347.0**	**333.7**
TOTAL SYNTHETIC (NONCELL.)	**604.3**	**633.0**	**618.0**	**587.0**	**705.0**	**651.2**	**684.4**
TOTAL MANUFACTURED FIBER	**639.1**	**670.2**	**652.9**	**612.4**	**737.3**	**677.9**	**721.8**

a. The annual production of each fiber may be calculated as total shipments plus a stock increase or less a stock decrease from the previous year.

b. Producers' total domestic shipments plus export shipments.

c. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

d. Includes low denier industrial yarn.

e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

f. Includes Vinyon until 1987.

TABLE 16:
SELECTED U.S. MONTHLY FIBER DATA
MILLION POUNDS

	1991												YEAR TO DATE[a]	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
MANUFACTURED FIBER TOTAL SHIPMENTS[b c]														
ARTIFICIAL (CELLULOSIC)														
YARN	14.8	16.4	16.2	20.3	18.0	17.7	19.0	17.4	17.7	19.4	16.0	19.3	212.2	206.7
RAYON STAPLE	20.4	16.2	22.1	21.4	25.7	22.7	24.1	24.7	22.1	23.2	20.7	20.3	263.6	304.2
TOTAL ARTIFICIAL (CELLULOSIC)	**35.2**	**32.6**	**38.3**	**41.7**	**43.7**	**40.4**	**43.1**	**42.1**	**39.8**	**42.6**	**36.7**	**39.6**	**475.8**	**510.9**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	29.2	28.1	26.5	27.9	28.6	24.4	22.8	25.5	26.3	27.9	23.6	23.5	314.3	341.2
- CARPET	69.4	54.5	63.8	80.3	85.8	80.4	85.6	92.0	90.9	91.0	70.8	74.0	938.5	986.0
- TEXTILE	34.2	30.0	28.8	32.9	33.0	28.6	31.6	32.6	32.6	36.2	31.3	31.3	383.1	369.1
POLYESTER - INDUSTRIAL[d]	25.0	27.0	26.5	29.1	29.0	29.1	26.6	28.9	26.9	32.4	28.3	26.8	335.6	360.9
- TEXTILE[f]	67.9	61.5	64.4	75.9	74.4	68.5	75.9	74.3	72.5	82.9	72.1	70.5	860.8	770.2
OLEFIN[e]	103.4	104.4	109.4	119.2	121.1	121.1	114.9	125.0	126.6	126.8	118.8	111.5	1402.2	1426.3
TOTAL YARN	**329.1**	**305.5**	**319.4**	**365.3**	**371.9**	**352.1**	**357.4**	**378.3**	**375.8**	**397.2**	**344.9**	**337.6**	**4234.5**	**4253.7**
STAPLE+TOW+FIBERFILL														
NYLON	66.8	54.7	64.1	78.1	77.8	70.7	76.2	84.1	79.9	81.5	62.5	66.1	862.5	974.7
ACRYLIC+MODACRYLIC	36.5	34.8	35.5	34.2	37.5	42.0	33.1	40.0	37.0	45.0	36.5	35.0	447.1	500.6
POLYESTER	168.6	159.6	166.1	191.7	191.3	171.6	185.3	197.0	190.5	227.0	189.4	192.8	2230.9	2098.7
OLEFIN	34.7	30.9	34.6	38.5	40.7	37.5	38.1	44.0	38.5	44.5	41.9	33.6	457.5	410.6
TOTAL STAPLE	**306.6**	**280.0**	**300.3**	**342.5**	**347.3**	**321.8**	**332.7**	**365.1**	**345.9**	**398.0**	**330.3**	**327.5**	**3998.0**	**3984.6**
TOTAL SYNTHETIC (NONCELLULOSIC)	**635.7**	**585.5**	**619.7**	**707.8**	**719.2**	**673.9**	**690.1**	**743.4**	**721.7**	**795.2**	**675.2**	**665.1**	**8232.5**	**8238.3**
TOTAL MANUFACTURED FIBER	**670.9**	**618.1**	**658.0**	**749.5**	**762.9**	**714.3**	**733.2**	**785.5**	**761.5**	**837.8**	**711.9**	**704.7**	**8708.3**	**8749.2**
MANUFACTURED FIBER END-OF-MONTH STOCK														
ARTIFICIAL (CELLULOSIC)														
YARN	10.2	9.6	10.0	9.6	9.4	9.4	9.6	9.4	9.8	9.9	10.3	10.4	10.4	9.4
RAYON STAPLE	22.4	27.3	26.0	26.6	23.9	24.9	25.9	24.8	23.7	23.2	24.9	27.0	27.0	17.3
TOTAL ARTIFICIAL (CELLULOSIC)	**32.6**	**36.9**	**36.0**	**36.2**	**33.3**	**34.3**	**35.5**	**34.2**	**33.5**	**33.1**	**35.2**	**37.4**	**37.4**	**26.7**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	25.0	23.9	24.7	26.9	26.1	28.2	30.8	29.7	31.0	31.6	29.6	32.1	32.1	24.4
- CARPET	72.0	80.6	77.6	66.3	58.5	58.4	59.9	52.1	47.1	50.3	64.3	80.7	80.7	57.8
- TEXTILE[f]	46.2	46.2	45.1	45.6	47.3	48.9	50.4	49.5	48.4	45.7	44.3	47.3	47.3	45.8
POLYESTER - INDUSTRIAL[d]	41.0	43.0	41.8	44.6	42.5	40.6	39.3	38.1	37.9	35.8	34.6	37.9	37.9	36.5
- TEXTILE[f]	86.4	93.4	93.9	90.5	90.7	91.7	92.2	86.1	89.3	83.6	82.1	93.3	93.3	83.3
OLEFIN[e]	61.5	59.7	61.1	59.8	56.4	53.3	53.4	53.7	56.1	57.9	59.9	59.4	59.4	56.4
TOTAL YARN	**332.1**	**346.8**	**344.2**	**333.7**	**321.5**	**321.1**	**326.0**	**309.2**	**309.8**	**304.9**	**314.8**	**350.7**	**350.7**	**304.2**
STAPLE+TOW+FIBERFILL														
NYLON	71.0	81.6	79.7	68.2	61.2	59.5	61.9	57.3	56.5	56.3	69.1	71.0	71.0	64.7
ACRYLIC+MODACRYLIC	73.4	72.4	67.9	72.1	74.9	70.6	78.0	79.3	80.3	77.7	78.0	78.5	78.5	71.7
POLYESTER	192.7	189.5	192.0	185.8	170.5	162.0	174.9	164.7	157.9	148.6	143.5	152.4	152.4	181.1
OLEFIN	29.8	30.0	31.5	33.3	30.1	30.1	30.2	26.0	26.5	26.5	28.9	31.8	31.8	29.5
TOTAL STAPLE	**366.9**	**373.5**	**371.1**	**359.4**	**336.7**	**322.2**	**345.0**	**327.3**	**321.2**	**309.1**	**319.5**	**333.7**	**333.7**	**347.0**
TOTAL SYNTHETIC (NONCELLULOSIC)	**699.0**	**720.3**	**715.3**	**693.1**	**658.2**	**643.3**	**671.0**	**636.5**	**631.0**	**614.0**	**634.3**	**684.4**	**684.4**	**651.2**
TOTAL MANUFACTURED FIBER	**731.6**	**757.2**	**751.3**	**729.3**	**691.5**	**677.6**	**706.5**	**670.7**	**664.5**	**647.1**	**669.5**	**721.8**	**721.8**	**677.9**

	COTTON & WOOL CONSUMPTION[g]					
	1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER		
RAW COTTON	**1032.9**	**1109.5**	**1099.3**		**3241.7**	**3098.4**
APPAREL CLASS WOOL	35.5	40.6	37.5		113.6	92.0
CARPET CLASS WOOL	3.1	3.1	4.6		10.8	10.5
TOTAL RAW WOOL	**38.6**	**43.7**	**42.1**		**124.4**	**102.5**

a. "Year to date" totals for stock, are the latest month's figures.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic shipments plus export shipments.

d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

f. Includes low denier industrial yarn.

g. **Cotton and Wool data for 1991 available on a quarterly basis only.**

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FIBER ORGANON

Volume 63, No. 2 ☐ February 1992

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Highlights

- Raw Fiber Equivalent Imports, Exports & Balance begins on page 23.
- 1991 Import/Export Review...begins on page 32.
- Quarterly Manufactured Fiber Data...begins on page 42.

SHIPMENTS:

In January, total manufactured fiber shipments reached 729 million pounds, 3% above the 705 million pounds shipped in December and 9% above the 671 million pounds shipped in January 1991.

January shipments of synthetic (noncellulosic) filament yarn rose 4% to 352 million pounds and staple+tow rose 3% to 337 million pounds.

Contributing to the increase in shipments over the previous month were nylon carpet yarn up 14% or 10 million pounds, polyester industrial yarn up 13% or 4 million pounds and nylon textile yarn up 3 million pounds or 8%.

Year-to-date domestic shipments of manufactured fiber are up 10% and exports are down 13%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1992 JAN	1991 DEC	% CHG 1/92-12/91	1991 JAN	% CHG 1/92-1/91	YEAR TO DATE 1992	YEAR TO DATE 1991	% CHG YTD 1992-1991
ARTIFICIAL (CELLULOSIC)								
YARN	16.8	19.3	*-13.0*	14.8	*+13.5*	16.8	14.8	*+13.5*
RAYON STAPLE	23.0	20.3	*+13.3*	20.4	*+12.7*	23.0	20.4	*+12.7*
TOTAL ARTIFICIAL (CELL.)	**39.8**	**39.6**	***+0.5***	**35.2**	***+13.1***	**39.8**	**35.2**	***+13.1***
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	25.2	23.5	*+7.2*	29.2	*-13.7*	25.2	29.2	*-13.7*
- CARPET	81.8	72.1	*+13.5*	69.4	*+17.9*	81.8	69.4	*+17.9*
- TEXTILE [a]	33.9	31.3	*+8.3*	34.2	*-0.9*	33.9	34.2	*-0.9*
POLYESTER - INDUSTRIAL	30.4	26.9	*+13.0*	25.0	*+21.6*	30.4	25.0	*+21.6*
- TEXTILE [a]	71.2	70.5	*+1.0*	67.9	*+4.1*	71.2	67.9	*+4.9*
OLEFIN	109.0	113.5	*-4.0*	103.4	*+5.2*	109.0	103.4	*+5.4*
TOTAL YARN	**351.5**	**337.8**	***+4.1***	**329.1**	***+6.6***	**351.5**	**329.1**	***+6.8***
STAPLE+TOW+FIBERFILL								
NYLON	71.4	66.1	*+8.0*	66.8	*+6.9*	71.4	66.8	*+6.9*
ACRYLIC+MODACRYLIC	35.1	35.0	*+0.3*	36.5	*-3.8*	35.1	36.5	*-3.8*
POLYESTER	195.1	193.5	*+0.8*	168.6	*+15.7*	195.1	168.6	*+15.7*
OLEFIN	35.7	33.1	*+7.9*	34.7	*+2.9*	35.7	34.7	*+2.9*
TOTAL STAPLE	**337.3**	**327.7**	***+2.9***	**306.6**	***+10.0***	**337.3**	**306.6**	***+10.0***
TOTAL SYNTHETIC (NONCELL.)	**688.8**	**665.5**	***+3.5***	**635.7**	***+8.2***	**688.8**	**635.7**	***+8.4***
TOTAL MANUFACTURED FIBER	**728.6**	**705.1**	***+3.3***	**670.9**	***+8.5***	**728.6**	**670.9**	***+8.6***
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS [b]	690.1	657.3	*+5.0*	626.5	*+10.0*	690.1	626.5	*+10.2*
EXPORTS [c]	38.5	47.8	*-19.5*	44.4	*-13.3*	38.5	44.4	*-13.3*

a. Includes low denier industrial yarn.
b. Includes olefin exports.
c. Excludes olefin exports.

Fiber Organon

A Monthly Review

February 1992

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TABLE 2:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF MANUFACTURED FIBER, COTTON & WOOL MANUFACTURES

MILLION POUNDS

ITEM	1989				1990				1991			
	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
IMPORTS												
SEMIMANUFACTURED PRODUCTS												
YARN, THREAD, CORDAGE & ROPE	87.0	96.9	99.4	91.0	87.3	89.2	86.3	75.0	70.5	88.4	105.4	
CLOTH [a]	195.0	183.8	195.6	208.6	196.5	186.6	213.3	210.3	203.0	227.5	236.7	
SUBTOTAL	**282.0**	**280.7**	**295.0**	**299.6**	**283.8**	**275.8**	**299.6**	**285.3**	**273.5**	**315.9**	**342.1**	
MANUFACTURED PRODUCTS												
WEARING APPAREL	571.8	645.1	870.0	666.1	664.3	670.2	851.0	608.4	615.2	610.6	866.1	
INDUSTRIAL [b]	19.6	21.5	20.8	21.9	27.0	27.7	25.3	25.8	22.8	25.2	25.5	
HOME TEXTILES [c]	52.1	52.6	69.5	68.1	70.4	58.6	69.5	60.7	61.7	57.0	70.2	
CARPETS & RUGS [d]	34.4	34.6	32.5	34.9	36.9	34.4	31.5	29.9	29.2	33.3	32.7	
ALL OTHER [e]	2.9	4.2	3.6	4.4	3.3	3.2	3.7	2.6	2.7	2.8	3.0	
SUBTOTAL	**680.8**	**758.0**	**996.4**	**795.4**	**801.9**	**794.1**	**981.0**	**727.4**	**731.6**	**728.9**	**997.5**	
TOTAL IMPORTS	**962.8**	**1038.7**	**1291.4**	**1095.0**	**1085.7**	**1069.9**	**1280.6**	**1012.7**	**1005.1**	**1044.8**	**1339.6**	
EXPORTS												
SEMIMANUFACTURED PRODUCTS												
YARN, THREAD, CORDAGE & ROPE	116.6	111.4	103.1	109.8	131.6	146.2	126.6	146.0	145.0	152.6	130.9	
CLOTH [a]	81.3	87.2	78.6	81.8	112.0	114.0	105.6	116.1	103.1	108.3	97.7	
SUBTOTAL	**197.9**	**198.6**	**181.7**	**191.6**	**243.6**	**260.2**	**232.2**	**262.1**	**248.1**	**260.9**	**228.6**	
MANUFACTURED PRODUCTS												
WEARING APPAREL	87.0	100.1	96.3	94.1	103.1	114.4	111.7	120.9	104.5	125.1	129.8	
INDUSTRIAL [b]	53.6	66.8	63.2	70.5	72.0	78.1	67.1	70.8	72.3	77.9	81.0	
HOME TEXTILES [c]	6.3	8.3	9.5	8.1	10.2	24.0	11.3	14.0	13.1	19.0	17.1	
CARPETS & RUGS [d]	46.0	47.0	44.9	50.0	64.2	66.1	62.4	61.8	59.9	74.8	86.4	
ALL OTHER [e]	0.2	0.5	0.6	0.5	0.6	0.8	0.7	0.7	0.6	0.8	0.8	
SUBTOTAL	**193.1**	**222.7**	**214.5**	**223.2**	**250.1**	**283.4**	**253.2**	**268.2**	**250.4**	**297.6**	**315.1**	
TOTAL EXPORTS	**391.0**	**421.3**	**396.2**	**414.8**	**493.7**	**543.6**	**485.4**	**530.3**	**498.5**	**558.5**	**543.7**	
BALANCE												
SEMIMANUFACTURED PRODUCTS												
YARN, THREAD, CORDAGE & ROPE	29.6	14.5	3.7	18.8	44.3	57.0	40.3	71.0	74.5	64.2	25.5	
CLOTH [a]	(113.7)	(96.6)	(117.0)	(126.8)	(84.5)	(72.6)	(107.7)	(94.2)	(99.9)	(119.2)	(139.0)	
SUBTOTAL	**(84.1)**	**(82.1)**	**(113.3)**	**(108.0)**	**(40.2)**	**(15.6)**	**(67.4)**	**(23.2)**	**(25.4)**	**(55.0)**	**(113.5)**	
MANUFACTURED PRODUCTS												
WEARING APPAREL	(484.8)	(545.0)	(773.7)	(572.0)	(561.2)	(555.8)	(739.3)	(487.5)	(510.7)	(485.5)	(736.3)	
INDUSTRIAL [b]	34.0	45.3	42.4	48.6	45.0	50.4	41.8	45.0	49.5	52.7	55.5	
HOME TEXTILES [c]	(45.8)	(44.3)	(60.0)	(60.0)	(60.2)	(34.6)	(58.2)	(46.7)	(48.6)	(38.0)	(53.1)	
CARPETS & RUGS [d]	11.6	12.4	12.4	15.1	27.3	31.7	30.9	31.9	30.7	41.5	53.7	
ALL OTHER [e]	(2.7)	(3.7)	(3.0)	(3.9)	(2.7)	(2.4)	(3.0)	(1.9)	(2.1)	(2.0)	(2.2)	
SUBTOTAL	**(487.7)**	**(535.3)**	**(781.9)**	**(572.2)**	**(551.8)**	**(510.7)**	**(727.8)**	**(459.2)**	**(481.2)**	**(431.3)**	**(682.4)**	
TOTAL BALANCE	**(571.8)**	**(617.4)**	**(895.2)**	**(680.2)**	**(592.0)**	**(526.3)**	**(795.2)**	**(482.4)**	**(506.6)**	**(486.3)**	**(795.9)**	

ALL DATA ARE PRELIMINARY.

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Situation and Outlook Report***, CWS-66, November 1991.

( ) Trade deficit

a. Includes broadwoven and knit fabrics.

b. Includes narrow, industrial and miscellaneous fabrics.

c. Includes blankets, bedsheets, pillowcases, tablecloths, placemats, napkins, bathroom and kitchen toweling, bedspreads and quilts.

d. Includes knotted, woven, tufted, felt, tile, etc.

e. Includes such products as lace & lace articles, lace window curtains, etc.

Manufactured fiber yarn exports do not include substantial quantities of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980 - 1990 only; the corresponding quantities for each year are respectively (in millions of pounds): 142.4, 254.0, 166.2, 87.0, 108.8, 162.0, 95.5, 80.1, 73.4, 53.0 & 67.4.

NOTE: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with manufactured fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

THIS TABLE IS BASED ON A STUDY PUBLISHED BY THE U.S. DEPARTMENT OF AGRICULTURE, BASED ON THE HARMONIZED SYSTEM. THERE IS NO COMPARISON WITH PREVIOUS SERIES FOR PRIOR YEARS.

TABLE 3:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF MANUFACTURED FIBER, COTTON & WOOL MANUFACTURES

MILLION POUNDS

ITEM	1990 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1990	1989
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	32.2	25.3	29.8	27.9	31.0	30.3	30.1	31.1	25.1	28.8	23.3	22.9	337.8	374.3
CLOTH [a]	82.1	59.6	54.8	56.4	68.6	61.6	72.1	76.3	64.9	76.9	67.7	65.7	806.7	783.0
SUBTOTAL	**114.3**	**84.9**	**84.6**	**84.3**	**99.6**	**91.9**	**102.2**	**107.4**	**90.0**	**105.7**	**91.0**	**88.6**	**1144.5**	**1157.3**
MANUFACTURED PRODUCTS														
WEARING APPAREL	247.7	218.5	198.1	181.2	221.7	267.3	314.1	301.8	235.1	253.3	192.1	163.0	2793.9	2753.0
INDUSTRIAL [b]	9.0	8.7	9.3	9.1	8.8	9.8	8.8	8.5	8.0	9.5	9.2	7.1	105.8	83.8
HOME TEXTILES [c]	24.4	23.7	22.3	20.9	18.9	18.8	23.6	25.4	20.5	23.5	19.4	17.8	259.2	242.3
CARPETS & RUGS [d]	12.9	10.3	13.7	11.4	11.7	11.3	11.6	10.5	9.4	10.4	11.1	8.4	132.7	136.4
ALL OTHER [e]	0.8	1.0	1.5	1.1	1.2	0.9	1.4	1.1	1.2	1.1	0.8	0.7	12.8	15.1
SUBTOTAL	**294.8**	**262.2**	**244.9**	**223.7**	**262.3**	**308.1**	**359.5**	**347.3**	**274.2**	**297.8**	**232.6**	**197.0**	**3304.4**	**3230.6**
TOTAL IMPORTS	**409.1**	**347.1**	**329.5**	**308.0**	**361.9**	**400.0**	**461.7**	**454.7**	**364.2**	**403.5**	**323.6**	**285.6**	**4448.9**	**4387.9**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	42.3	42.6	46.7	45.8	53.6	46.8	34.3	47.0	45.3	49.5	49.6	46.9	550.4	440.9
CLOTH [a]	36.2	34.2	41.6	36.1	38.5	39.4	33.4	36.3	35.9	40.0	39.6	36.5	447.7	328.9
SUBTOTAL	**78.5**	**76.8**	**88.3**	**81.9**	**92.1**	**86.2**	**67.7**	**83.3**	**81.2**	**89.5**	**89.2**	**83.4**	**998.1**	**769.8**
MANUFACTURED PRODUCTS														
WEARING APPAREL	30.1	33.6	39.4	36.4	38.0	40.0	34.2	39.0	38.5	44.3	42.2	34.4	450.1	377.5
INDUSTRIAL [b]	22.5	24.5	25.0	22.4	27.7	28.0	21.7	23.9	21.5	24.1	23.6	23.1	288.0	254.1
HOME TEXTILES [c]	3.3	2.8	4.1	8.5	9.2	6.3	3.5	4.2	3.6	5.1	5.0	3.9	59.5	32.2
CARPETS & RUGS [d]	18.8	19.1	26.3	22.2	22.2	21.7	19.3	22.3	20.8	23.7	20.1	18.0	254.5	187.9
ALL OTHER [e]	0.2	0.2	0.2	0.3	0.3	0.2	0.3	0.2	0.2	0.3	0.2	0.2	2.8	1.8
SUBTOTAL	**74.9**	**80.2**	**95.0**	**89.8**	**97.4**	**96.2**	**79.0**	**89.6**	**84.6**	**97.5**	**91.1**	**79.6**	**1054.9**	**853.5**
TOTAL EXPORTS	**153.4**	**157.0**	**183.3**	**171.7**	**189.5**	**182.4**	**146.7**	**172.9**	**165.8**	**187.0**	**180.3**	**163.0**	**2053.0**	**1623.3**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	10.1	17.3	16.9	17.9	22.6	16.5	4.2	15.9	20.2	20.7	26.3	24.0	212.6	66.6
CLOTH [a]	(45.9)	(25.4)	(13.2)	(20.3)	(30.1)	(22.2)	(38.7)	(40.0)	(29.0)	(36.9)	(28.1)	(29.2)	(359.0)	(454.1)
SUBTOTAL	**(35.8)**	**(8.1)**	**3.7**	**(2.4)**	**(7.5)**	**(5.7)**	**(34.5)**	**(24.1)**	**(8.8)**	**(16.2)**	**(1.8)**	**(5.2)**	**(146.4)**	**(387.5)**
MANUFACTURED PRODUCTS														
WEARING APPAREL	(217.6)	(184.9)	(158.7)	(144.8)	(183.7)	(227.3)	(279.9)	(262.8)	(196.6)	(209.0)	(149.9)	(128.6)	(2343.8)	(2375.5)
INDUSTRIAL [b]	13.5	15.8	15.7	13.3	18.9	18.2	12.9	15.4	13.5	14.6	14.4	16.0	182.2	170.3
HOME TEXTILES [c]	(21.1)	(20.9)	(18.2)	(12.4)	(9.7)	(12.5)	(20.1)	(21.2)	(16.9)	(18.4)	(14.4)	(13.9)	(199.7)	(210.1)
CARPETS & RUGS [d]	5.9	8.8	12.6	10.8	10.5	10.4	7.7	11.8	11.4	13.3	9.0	9.6	121.8	51.5
ALL OTHER [e]	(0.6)	(0.8)	(1.3)	(0.8)	(0.9)	(0.7)	(1.1)	(0.9)	(1.0)	(0.8)	(0.6)	(0.5)	(10.0)	(13.3)
SUBTOTAL	**(219.9)**	**(182.0)**	**(149.9)**	**(133.9)**	**(164.9)**	**(211.9)**	**(280.5)**	**(257.7)**	**(189.6)**	**(200.3)**	**(141.5)**	**(117.4)**	**(2249.5)**	**(2377.1)**
TOTAL BALANCE	**(255.7)**	**(190.1)**	**(146.2)**	**(136.3)**	**(172.4)**	**(217.6)**	**(315.0)**	**(281.8)**	**(198.4)**	**(216.5)**	**(143.3)**	**(122.6)**	**(2395.9)**	**(2764.6)**

ALL DATA ARE PRELIMINARY.

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Situation and Outlook Report,*** CWS-66, November 1991.

- ( ) Trade deficit.
- a. Includes broadwoven and knit fabrics.
- b. Includes narrow, industrial and miscellaneous fabrics.
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- d. Includes knotted, woven, tufted, felt, tile, etc.
- e. Includes such products as lace & lace articles, lace window curtains, etc.

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NOTE: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with manufactured fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

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TABLE 4:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF MANUFACTURED FIBER, COTTON & WOOL MANUFACTURES

MILLION POUNDS

ITEM	1991												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	23.1	22.2	25.2	25.0	31.7	31.7	34.9	37.6	32.9				264.3	262.8
CLOTH[a]	80.6	60.7	61.7	73.3	75.4	78.8	81.7	82.4	72.6				667.2	596.4
SUBTOTAL	**103.7**	**82.9**	**86.9**	**98.3**	**107.1**	**110.5**	**116.6**	**120.0**	**105.5**				**931.5**	**859.2**
MANUFACTURED PRODUCTS														
WEARING APPAREL	235.1	203.8	176.3	166.8	202.3	241.5	313.1	283.0	270.0				2091.9	2185.5
INDUSTRIAL[b]	7.7	7.6	7.5	8.5	8.6	8.1	7.6	8.5	9.4				73.5	80.0
HOME TEXTILES[c]	23.2	21.2	17.3	17.9	17.8	21.3	24.8	22.8	22.6				188.9	198.5
CARPETS & RUGS[d]	10.8	8.6	9.8	11.4	11.4	10.5	11.0	10.4	11.3				95.2	102.8
ALL OTHER[e]	0.9	0.9	0.9	0.9	1.1	0.8	0.8	1.1	1.1				8.5	10.2
SUBTOTAL	**277.7**	**242.1**	**211.8**	**205.5**	**241.2**	**282.2**	**357.3**	**325.8**	**314.4**				**2458.0**	**2577.0**
TOTAL IMPORTS	**381.4**	**325.0**	**298.7**	**303.8**	**348.3**	**392.7**	**473.9**	**445.8**	**419.9**				**3389.5**	**3436.2**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	47.3	44.2	53.5	51.9	52.7	48.0	44.3	42.4	44.2				428.5	404.4
CLOTH[a]	34.1	33.4	35.6	35.4	37.0	35.9	27.7	35.0	35.0				309.1	331.6
SUBTOTAL	**81.4**	**77.6**	**89.1**	**87.3**	**89.7**	**83.9**	**72.0**	**77.4**	**79.2**				**737.6**	**736.0**
MANUFACTURED PRODUCTS														
WEARING APPAREL	30.1	35.0	39.4	40.6	43.0	41.5	39.9	44.9	45.0				359.4	329.2
INDUSTRIAL[b]	24.3	23.4	24.6	25.0	27.0	25.9	25.6	28.3	27.1				231.2	217.2
HOME TEXTILES[c]	3.7	4.0	5.4	6.3	5.9	6.8	5.4	5.4	6.3				49.2	45.5
CARPETS & RUGS[d]	19.9	19.0	21.0	24.4	24.6	25.8	27.6	28.7	30.1				221.1	192.7
ALL OTHER[e]	0.3	0.2	0.1	0.3	0.2	0.3	0.2	0.3	0.3				2.2	2.1
SUBTOTAL	**78.3**	**81.6**	**90.5**	**96.6**	**100.7**	**100.3**	**98.7**	**107.6**	**108.8**				**863.1**	**786.7**
TOTAL EXPORTS	**159.7**	**159.2**	**179.6**	**183.9**	**190.4**	**184.2**	**170.7**	**185.0**	**188.0**				**1600.7**	**1522.7**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	24.2	22.0	28.3	26.9	21.0	16.3	9.4	4.8	11.3				164.2	141.6
CLOTH[a]	(46.5)	(27.3)	(26.1)	(37.9)	(38.4)	(42.9)	(54.0)	(47.4)	(37.6)				(358.1)	(264.8)
SUBTOTAL	**(22.3)**	**(5.3)**	**2.2**	**(11.0)**	**(17.4)**	**(26.6)**	**(44.6)**	**(42.6)**	**(26.3)**				**(193.9)**	**(123.2)**
MANUFACTURED PRODUCTS														
WEARING APPAREL	(205.0)	(168.8)	(136.9)	(126.2)	(159.3)	(200.0)	(273.2)	(233.1)	(225.0)				(1732.5)	(1856.3)
INDUSTRIAL[b]	16.6	15.8	17.1	16.5	18.4	17.8	18.0	19.8	17.7				157.7	137.2
HOME TEXTILES[c]	(19.5)	(17.2)	(11.9)	(11.6)	(11.9)	(14.5)	(19.4)	(17.4)	(16.3)				(139.7)	(153.0)
CARPETS & RUGS[d]	9.1	10.4	11.2	13.0	13.2	15.3	16.6	18.3	18.8				125.9	89.9
ALL OTHER[e]	(0.6)	(0.7)	(0.8)	(0.6)	(0.9)	(0.5)	(0.6)	(0.8)	(0.8)				(6.3)	(8.1)
SUBTOTAL	**(199.4)**	**(160.5)**	**(121.3)**	**(108.9)**	**(140.5)**	**(181.9)**	**(258.6)**	**(218.2)**	**(205.6)**				**(1594.9)**	**(1790.3)**
TOTAL BALANCE	**(221.7)**	**(165.8)**	**(119.1)**	**(119.9)**	**(157.9)**	**(208.5)**	**(303.2)**	**(260.8)**	**(231.9)**				**(1788.8)**	**(1913.5)**

ALL DATA ARE PRELIMINARY.

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Situation and Outlook Report,*** CWS-66, November 1991.

( ) Trade deficit.

a. Includes broadwoven and knit fabrics.
b. Includes narrow, industrial and miscellaneous fabrics.
c. Includes blankets, bedsheets, pillowcases, tablecloths, placemats, napkins, bathroom and kitchen toweling, bedspreads and quilts.
d. Includes knotted, woven, tufted, felt, tile, etc.
e. Includes such products as lace & lace articles, lace window curtains, etc.

Manufactured fiber yarn exports do not include substantial quantities of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980 - 1990 only; the corresponding quantities for each year are respectively (in millions of pounds): 142.4, 254.0, 166.2, 87.0, 108.8, 162.0, 95.5, 80.1, 73.4, 53.0 & 67.4.

NOTE: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with manufactured fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

THIS TABLE IS BASED ON A STUDY PUBLISHED BY THE U.S. DEPARTMENT OF AGRICULTURE, BASED ON THE HARMONIZED SYSTEM. THERE IS NO COMPARISON WITH PREVIOUS SERIES FOR PRIOR YEARS.

TABLE 5:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF MANUFACTURED FIBER MANUFACTURES

MILLION POUNDS

ITEM	1990												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1990	1989
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	24.1	18.9	22.8	21.3	24.5	23.4	22.7	23.7	19.4	20.8	18.2	17.4	257.2	276.3
CLOTH [a]	18.7	15.2	16.5	18.1	19.6	18.6	20.6	20.5	17.7	19.4	17.6	15.9	218.4	193.6
SUBTOTAL	**42.8**	**34.1**	**39.3**	**39.4**	**44.1**	**42.0**	**43.3**	**44.2**	**37.1**	**40.2**	**35.8**	**33.3**	**475.6**	**469.9**
MANUFACTURED PRODUCTS														
WEARING APPAREL	99.9	84.4	77.9	72.7	94.9	112.8	135.0	132.9	105.3	107.7	77.0	65.3	1165.8	1184.2
INDUSTRIAL [b]	7.0	6.8	7.3	7.0	6.5	7.2	6.7	6.6	6.0	7.1	6.9	5.0	80.1	56.4
HOME TEXTILES [c]	5.4	6.5	6.2	5.4	4.6	4.6	6.3	6.4	5.1	6.4	4.9	4.8	66.6	68.6
CARPETS & RUGS [d]	4.7	4.5	5.6	4.8	4.7	5.3	4.3	3.8	3.7	4.7	3.8	2.9	52.8	54.3
ALL OTHER [e]	0.6	0.7	1.1	0.8	0.9	0.7	1.0	0.7	0.9	0.8	0.6	0.5	9.3	10.9
SUBTOTAL	**117.6**	**102.9**	**98.1**	**90.7**	**111.6**	**130.6**	**153.3**	**150.4**	**121.0**	**126.7**	**93.2**	**78.5**	**1374.6**	**1374.4**
TOTAL IMPORTS	**160.4**	**137.0**	**137.4**	**130.1**	**155.7**	**172.6**	**196.6**	**194.6**	**158.1**	**166.9**	**129.0**	**111.8**	**1850.2**	**1844.3**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	38.9	38.2	42.5	41.4	48.5	41.9	31.1	43.0	41.3	44.4	45.0	41.3	497.5	405.6
CLOTH [a]	19.0	18.6	22.1	19.2	20.9	21.1	17.3	18.9	18.2	20.7	21.1	18.2	235.3	186.1
SUBTOTAL	**57.9**	**56.8**	**64.6**	**60.6**	**69.4**	**63.0**	**48.4**	**61.9**	**59.5**	**65.1**	**66.1**	**59.5**	**732.8**	**591.7**
MANUFACTURED PRODUCTS														
WEARING APPAREL	11.2	12.3	14.7	12.4	14.0	15.4	13.1	14.8	13.9	16.1	14.5	11.7	164.1	152.8
INDUSTRIAL [b]	16.7	17.3	18.1	16.1	20.8	20.5	14.9	16.6	15.3	17.0	16.7	15.7	205.7	164.6
HOME TEXTILES [c]	1.2	0.9	1.2	4.2	4.6	2.7	1.3	1.7	1.4	2.0	2.0	1.5	24.7	11.3
CARPETS & RUGS [d]	15.3	15.6	21.9	18.5	18.0	17.9	15.6	17.7	16.2	18.8	16.5	14.7	206.7	136.2
ALL OTHER [e]	0.2	0.1	0.1	0.2	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1	1.8	1.2
SUBTOTAL	**44.6**	**46.2**	**56.0**	**51.4**	**57.6**	**56.6**	**45.1**	**51.0**	**46.9**	**54.1**	**49.8**	**43.7**	**603.0**	**466.1**
TOTAL EXPORTS	**102.5**	**103.0**	**120.6**	**112.0**	**127.0**	**119.6**	**93.5**	**112.9**	**106.4**	**119.2**	**115.9**	**103.2**	**1335.8**	**1057.8**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	14.8	19.3	19.7	20.1	24.0	18.5	8.4	19.3	21.9	23.6	26.8	23.9	240.3	129.3
CLOTH [a]	0.3	3.4	5.6	1.1	1.3	2.5	(3.3)	(1.6)	0.5	1.3	3.5	2.3	16.9	(7.5)
SUBTOTAL	**15.1**	**22.7**	**25.3**	**21.2**	**25.3**	**21.0**	**5.1**	**17.7**	**22.4**	**24.9**	**30.3**	**26.2**	**257.2**	**121.8**
MANUFACTURED PRODUCTS														
WEARING APPAREL	(88.7)	(72.1)	(63.2)	(60.3)	(80.9)	(97.4)	(121.9)	(118.1)	(91.4)	(91.6)	(62.5)	(53.6)	(1001.7)	(1031.4)
INDUSTRIAL [b]	9.7	10.5	10.8	9.1	14.3	13.3	8.2	10.0	9.3	9.9	9.8	10.7	125.6	108.2
HOME TEXTILES [c]	(4.2)	(5.6)	(5.0)	(1.2)	0	(1.9)	(5.0)	(4.7)	(3.7)	(4.4)	(2.9)	(3.3)	(41.9)	(57.3)
CARPETS & RUGS [d]	10.6	11.1	16.3	13.7	13.3	12.6	11.3	13.9	12.5	14.1	12.7	11.8	153.9	81.9
ALL OTHER [e]	(0.4)	(0.6)	(1.0)	(0.6)	(0.7)	(0.6)	(0.8)	(0.5)	(0.8)	(0.6)	(0.5)	(0.4)	(7.5)	(9.7)
SUBTOTAL	**(73.0)**	**(56.7)**	**(42.1)**	**(39.3)**	**(54.0)**	**(74.0)**	**(108.2)**	**(99.4)**	**(74.1)**	**(72.6)**	**(43.4)**	**(34.8)**	**(771.6)**	**(908.3)**
TOTAL BALANCE	**(57.9)**	**(34.0)**	**(16.8)**	**(18.1)**	**(28.7)**	**(53.0)**	**(103.1)**	**(81.7)**	**(51.7)**	**(47.7)**	**(13.1)**	**(8.6)**	**(514.4)**	**(786.5)**

ALL DATA ARE PRELIMINARY.

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Situation and Outlook Report,*** CWS-66, November 1991.

( ) Trade deficit.

a. Includes broadwoven and knit fabrics.

b. Includes narrow, industrial and miscellaneous fabrics.

c. Includes blankets, bedsheets, pillowcases, tablecloths, placemats, napkins, bathroom and kitchen toweling, bedspreads and quilts.

d. Includes knotted, woven, tufted, felt, tile, etc.

e. Includes such products as lace & lace articles, lace window curtains, etc.

Manufactured fiber yarn exports do not include substantial quantities of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980 - 1990 only; the corresponding quantities for each year are respectively (in millions of pounds): 142.4, 254.0, 166.2, 87.0, 108.8, 162.0, 95.5, 80.1, 73.4, 53.0 & 67.4.

NOTE: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with manufactured fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

THIS TABLE IS BASED ON A STUDY PUBLISHED BY THE U.S. DEPARTMENT OF AGRICULTURE, BASED ON THE HARMONIZED SYSTEM. THERE IS NO COMPARISON WITH PREVIOUS SERIES FOR PRIOR YEARS.

TABLE 6:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF MANUFACTURED FIBER MANUFACTURES

MILLION POUNDS

ITEM	1991												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	18.6	18.3	20.4	21.2	24.9	23.1	25.2	26.1	24.0				201.8	200.8
CLOTH[a]	18.4	15.5	16.9	20.5	20.1	20.3	22.4	22.0	19.5				175.6	165.5
SUBTOTAL	**37.0**	**33.8**	**37.3**	**41.7**	**45.0**	**43.4**	**47.6**	**48.1**	**43.5**				**377.4**	**366.3**
MANUFACTURED PRODUCTS														
WEARING APPAREL	94.0	81.2	69.9	67.2	83.6	98.4	127.7	120.7	113.6				856.3	915.8
INDUSTRIAL[b]	5.6	5.7	5.3	6.4	6.4	5.9	5.6	6.3	7.1				54.3	61.1
HOME TEXTILES[c]	4.8	4.4	3.7	3.6	3.8	4.5	8.3	6.1	6.1				45.3	50.5
CARPETS & RUGS[d]	3.6	3.1	4.0	4.2	4.6	4.6	4.0	3.9	3.9				35.9	41.4
ALL OTHER[e]	0.7	0.6	0.7	0.6	0.7	0.6	0.6	0.8	0.8				6.1	7.4
SUBTOTAL	**108.7**	**95.0**	**83.6**	**82.0**	**99.1**	**114.0**	**146.2**	**137.8**	**131.5**				**997.9**	**1076.2**
TOTAL IMPORTS	**145.7**	**128.8**	**120.9**	**123.7**	**144.1**	**157.4**	**193.8**	**185.9**	**175.0**				**1375.3**	**1442.5**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	41.9	39.2	47.4	47.1	47.3	43.1	40.5	38.6	39.8				384.9	366.8
CLOTH[a]	17.6	16.3	16.9	17.1	18.0	17.9	14.5	17.5	17.4				153.2	175.3
SUBTOTAL	**59.5**	**55.5**	**64.3**	**64.2**	**65.3**	**61.0**	**55.0**	**56.1**	**57.2**				**538.1**	**542.1**
MANUFACTURED PRODUCTS														
WEARING APPAREL	10.7	11.6	13.6	14.1	15.0	15.2	14.4	16.3	15.8				126.7	121.8
INDUSTRIAL[b]	17.7	16.5	17.9	16.0	19.0	18.7	17.6	19.8	20.4				163.6	156.3
HOME TEXTILES[c]	1.4	1.6	2.2	2.7	2.5	2.9	2.0	2.3	2.7				20.3	19.2
CARPETS & RUGS[d]	16.3	14.4	17.3	20.1	20.5	21.8	22.4	22.6	25.0				180.4	156.7
ALL OTHER[e]	0.2	0.1	0.1	0.2	0.1	0.2	0.1	0.2	0.2				1.4	1.4
SUBTOTAL	**46.3**	**44.2**	**51.1**	**53.1**	**57.1**	**58.8**	**56.5**	**61.2**	**64.1**				**492.4**	**455.4**
TOTAL EXPORTS	**105.8**	**99.7**	**115.4**	**117.3**	**122.4**	**119.8**	**111.5**	**117.3**	**121.3**				**1030.5**	**997.5**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	23.3	20.9	27.0	25.9	22.4	20.0	15.3	12.5	15.8				183.1	166.0
CLOTH[a]	(0.8)	0.8	0	(3.4)	(2.1)	(2.4)	(7.9)	(4.5)	(2.1)				(22.4)	9.8
SUBTOTAL	**22.5**	**21.7**	**27.0**	**22.5**	**20.3**	**17.6**	**7.4**	**8.0**	**13.7**				**160.7**	**175.8**
MANUFACTURED PRODUCTS														
WEARING APPAREL	(83.3)	(69.6)	(56.3)	(53.1)	(68.6)	(83.2)	(113.3)	(104.4)	(97.8)				(729.6)	(794.0)
INDUSTRIAL[b]	12.1	10.8	12.6	9.6	12.6	12.8	12.0	13.5	13.3				109.3	95.2
HOME TEXTILES[c]	(3.4)	(2.8)	(1.5)	(0.9)	(1.3)	(1.6)	(6.3)	(3.8)	(3.4)				(25.0)	(31.3)
CARPETS & RUGS[d]	12.7	11.3	13.3	15.9	15.9	17.2	18.4	18.7	21.1				144.5	115.3
ALL OTHER[e]	(0.5)	(0.5)	(0.6)	(0.4)	(0.6)	(0.4)	(0.5)	(0.6)	(0.6)				(4.7)	(6.0)
SUBTOTAL	**(62.4)**	**(50.8)**	**(32.5)**	**(28.9)**	**(42.0)**	**(55.2)**	**(89.7)**	**(76.6)**	**(67.4)**				**(505.5)**	**(620.8)**
TOTAL BALANCE	**(39.9)**	**(29.1)**	**(5.5)**	**(6.4)**	**(21.7)**	**(37.6)**	**(82.3)**	**(68.6)**	**(53.7)**				**(344.8)**	**(445.0)**

ALL DATA ARE PRELIMINARY.

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Situation and Outlook Report,*** CWS-66, November 1991.

- ( ) Trade deficit
- a. Includes broadwoven and knit fabrics.
- b. Includes narrow, industrial and miscellaneous fabrics.
- c. Includes blankets, bedsheets, pillowcases, tablecloths, placemats, napkins, bathroom and kitchen toweling, bedspreads and quilts.
- d. Includes knotted, woven, tufted, felt, tile, etc.
- e. Includes such products as lace & lace articles, lace window curtains, etc.

Manufactured fiber yarn exports do not include substantial quantities of indirect exports. Indirect exports are shipments which are billed to a domestic customer by a yarn producer but which are ultimately exported by the customer. Indirect export data are available for the years 1980 - 1990 only; the corresponding quantities for each year are respectively (in millions of pounds): 142.4, 254.0, 166.2, 87.0, 108.8, 162.0, 95.5, 80.1, 73.4, 53.0 & 67.4.

NOTE: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with manufactured fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

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TABLE 7:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF COTTON MANUFACTURES

MILLION POUNDS

ITEM	1990												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1990	1989
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	7.4	5.5	6.3	5.7	5.6	6.2	6.9	6.8	5.3	7.5	4.7	5.2	73.1	93.9
CLOTH[a]	61.9	43.1	36.7	36.8	47.5	41.6	50.0	54.7	46.3	56.5	49.1	49.0	573.2	575.1
SUBTOTAL	**69.3**	**48.6**	**43.0**	**42.5**	**53.1**	**47.8**	**56.9**	**61.5**	**51.6**	**64.0**	**53.8**	**54.2**	**646.3**	**669.0**
MANUFACTURED PRODUCTS														
WEARING APPAREL	141.6	129.4	115.6	103.3	118.3	142.0	160.8	149.4	114.5	131.2	107.9	93.0	1507.0	1434.2
INDUSTRIAL[b]	1.8	1.8	1.8	1.9	2.0	2.2	1.8	1.6	1.6	1.9	1.9	1.7	22.0	24.4
HOME TEXTILES[c]	19.0	17.2	16.0	15.4	14.2	14.1	17.2	18.9	15.3	17.0	14.4	12.9	191.6	172.8
CARPETS & RUGS[d]	2.5	2.5	3.7	2.7	3.0	2.3	3.2	3.0	2.6	2.0	3.0	2.0	32.5	32.7
ALL OTHER[e]	0.2	0.3	0.4	0.3	0.3	0.2	0.4	0.4	0.3	0.3	0.2	0.2	3.5	4.2
SUBTOTAL	**165.1**	**151.2**	**137.5**	**123.6**	**137.8**	**160.8**	**183.4**	**173.3**	**134.3**	**152.4**	**127.4**	**109.8**	**1756.6**	**1668.3**
TOTAL IMPORTS	**234.4**	**199.8**	**180.5**	**166.1**	**190.9**	**208.6**	**240.3**	**234.8**	**185.9**	**216.4**	**181.2**	**164.0**	**2402.9**	**2337.3**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	3.3	4.4	4.1	4.4	5.0	4.9	3.2	4.0	3.9	5.1	4.6	5.6	52.5	34.9
CLOTH[a]	16.4	15.2	18.9	16.4	17.1	17.8	15.7	16.9	17.3	18.9	18.1	18.0	206.7	135.6
SUBTOTAL	**19.7**	**19.6**	**23.0**	**20.8**	**22.1**	**22.7**	**18.9**	**20.9**	**21.2**	**24.0**	**22.7**	**23.6**	**259.2**	**170.5**
MANUFACTURED PRODUCTS														
WEARING APPAREL	17.7	19.6	23.2	22.1	21.9	22.4	19.1	22.2	22.6	26.5	26.4	21.5	265.2	209.2
INDUSTRIAL[b]	5.0	5.9	5.7	5.0	5.5	6.3	5.6	5.7	5.3	6.0	5.2	6.0	67.2	66.9
HOME TEXTILES[c]	2.1	1.9	2.8	3.8	4.0	3.3	2.1	2.3	2.1	3.0	2.9	2.3	32.6	20.2
CARPETS & RUGS[d]	2.6	2.4	3.0	2.6	3.4	2.8	2.6	3.6	3.5	3.9	2.7	2.5	35.6	36.8
ALL OTHER[e]	0	0.1	0.1	0.1	0.1	0.1	0.1	0	0.1	0.1	0.1	0.1	1.0	0.6
SUBTOTAL	**27.4**	**29.9**	**34.8**	**33.6**	**34.9**	**34.9**	**29.5**	**33.8**	**33.6**	**39.5**	**37.3**	**32.4**	**401.6**	**333.7**
TOTAL EXPORTS	**47.1**	**49.5**	**57.8**	**54.4**	**57.0**	**57.6**	**48.4**	**54.7**	**54.8**	**63.5**	**60.0**	**56.0**	**660.8**	**504.2**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	(4.1)	(1.1)	(2.2)	(1.3)	(0.6)	(1.3)	(3.7)	(2.8)	(1.4)	(2.4)	(0.1)	0.4	(20.6)	(59.0)
CLOTH[a]	(45.5)	(27.9)	(17.8)	(20.4)	(30.4)	(23.8)	(34.3)	(37.8)	(29.0)	(37.6)	(31.0)	(31.0)	(366.5)	(439.5)
SUBTOTAL	**(49.6)**	**(29.0)**	**(20.0)**	**(21.7)**	**(31.0)**	**(25.1)**	**(38.0)**	**(40.6)**	**(30.4)**	**(40.0)**	**(31.1)**	**(30.6)**	**(387.1)**	**(498.5)**
MANUFACTURED PRODUCTS														
WEARING APPAREL	(123.9)	(109.8)	(92.4)	(81.2)	(96.4)	(119.6)	(141.7)	(127.2)	(91.9)	(104.7)	(81.5)	(71.5)	(1241.8)	(1225.0)
INDUSTRIAL[b]	3.2	4.1	3.9	3.1	3.5	4.1	3.8	4.1	3.7	4.1	3.3	4.3	45.2	42.5
HOME TEXTILES[c]	(16.9)	(15.3)	(13.2)	(11.6)	(10.2)	(10.8)	(15.1)	(16.6)	(13.2)	(14.0)	(11.5)	(10.6)	(159.0)	(152.6)
CARPETS & RUGS[d]	0.1	(0.1)	(0.7)	(0.1)	0.4	0.5	(0.6)	0.6	0.9	1.9	(0.3)	0.5	3.1	4.1
ALL OTHER[e]	(0.2)	(0.2)	(0.3)	(0.2)	(0.2)	(0.1)	(0.3)	(0.4)	(0.2)	(0.2)	(0.1)	(0.1)	(2.5)	(3.6)
SUBTOTAL	**(137.7)**	**(121.3)**	**(102.7)**	**(90.0)**	**(102.9)**	**(125.9)**	**(153.9)**	**(139.5)**	**(100.7)**	**(112.9)**	**(90.1)**	**(77.4)**	**(1355.0)**	**(1334.6)**
TOTAL BALANCE	**(187.3)**	**(150.3)**	**(122.7)**	**(111.7)**	**(133.9)**	**(151.0)**	**(191.9)**	**(180.1)**	**(131.1)**	**(152.9)**	**(121.2)**	**(108.0)**	**(1742.1)**	**(1833.1)**

ALL DATA ARE PRELIMINARY.

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Situation and Outlook Report,*** CWS-66, November 1991.

( ) Trade deficit.

a. Includes broadwoven and knit fabrics.

b. Includes narrow, industrial and miscellaneous fabrics.

c. Includes blankets, bedsheets, pillowcases, tablecloths, placemats, napkins, bathroom and kitchen toweling, bedspreads and quilts.

d. Includes knotted, woven, tufted, felt, tile, etc.

e. Includes such products as lace & lace articles, lace window curtains, etc.

NOTE: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with manufactured fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

THIS TABLE IS BASED ON A STUDY PUBLISHED BY THE U.S. DEPARTMENT OF AGRICULTURE, BASED ON THE HARMONIZED SYSTEM. THERE IS NO COMPARISON WITH PREVIOUS SERIES FOR PRIOR YEARS.

TABLE 8:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF COTTON MANUFACTURES

MILLION POUNDS

	1991												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	4.0	3.4	4.2	3.3	6.1	8.0	8.9	11.0	8.5				57.4	55.7
CLOTH [a]	61.0	44.1	43.5	51.4	53.9	57.4	57.8	59.2	52.1				480.4	418.6
SUBTOTAL	**65.0**	**47.5**	**47.7**	**54.7**	**60.0**	**65.4**	**66.7**	**70.2**	**60.6**				**537.8**	**474.3**
MANUFACTURED PRODUCTS														
WEARING APPAREL	135.1	117.6	102.1	95.1	111.5	132.4	168.6	144.6	139.1				1146.1	1174.9
INDUSTRIAL [b]	1.7	1.5	1.8	1.7	1.7	1.7	1.6	1.7	1.8				15.2	16.5
HOME TEXTILES [c]	18.4	16.8	13.5	14.3	14.0	16.7	16.4	16.7	16.4				143.2	147.3
CARPETS & RUGS [d]	2.9	2.2	2.4	3.1	2.6	2.6	2.7	2.8	3.6				24.9	25.5
ALL OTHER [e]	0.2	0.3	0.2	0.3	0.4	0.2	0.2	0.3	0.3				2.4	2.8
SUBTOTAL	**158.3**	**138.4**	**120.0**	**114.5**	**130.2**	**153.6**	**189.5**	**166.1**	**161.2**				**1331.8**	**1367.0**
TOTAL IMPORTS	**223.3**	**185.9**	**167.7**	**169.2**	**190.2**	**219.0**	**256.2**	**236.3**	**221.8**				**1869.6**	**1841.3**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	5.4	4.9	6.1	4.8	5.3	4.8	3.8	3.8	4.4				43.3	37.2
CLOTH [a]	16.1	16.7	18.3	17.7	18.5	17.3	12.6	16.9	17.2				151.3	151.7
SUBTOTAL	**21.5**	**21.6**	**24.4**	**22.5**	**23.8**	**22.1**	**16.4**	**20.7**	**21.6**				**194.6**	**188.9**
MANUFACTURED PRODUCTS														
WEARING APPAREL	18.4	22.3	24.4	24.6	25.9	24.4	23.7	26.6	27.6				217.9	190.8
INDUSTRIAL [b]	5.2	5.4	5.5	7.7	6.4	5.8	6.6	6.4	5.2				54.2	50.0
HOME TEXTILES [c]	2.2	2.3	3.0	3.4	3.2	3.6	3.2	2.9	3.3				27.1	24.4
CARPETS & RUGS [d]	2.9	2.9	2.9	3.3	3.3	3.2	4.0	5.1	4.1				31.7	26.5
ALL OTHER [e]	0.1	0.1	0	0.1	0.1	0.1	0.1	0.1	0.1				0.8	0.7
SUBTOTAL	**28.8**	**33.0**	**35.8**	**39.1**	**38.9**	**37.1**	**37.6**	**41.1**	**40.3**				**331.7**	**292.4**
TOTAL EXPORTS	**50.3**	**54.6**	**60.2**	**61.6**	**62.7**	**59.2**	**54.0**	**61.8**	**61.9**				**526.3**	**481.3**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	1.4	1.5	1.9	1.5	(0.8)	(3.2)	(5.1)	(7.2)	(4.1)				(14.1)	(18.5)
CLOTH [a]	(44.9)	(27.4)	(25.2)	(33.7)	(35.4)	(40.1)	(45.2)	(42.3)	(34.9)				(329.1)	(266.9)
SUBTOTAL	**(43.5)**	**(25.9)**	**(23.3)**	**(32.2)**	**(36.2)**	**(43.3)**	**(50.3)**	**(49.5)**	**(39.0)**				**(343.2)**	**(285.4)**
MANUFACTURED PRODUCTS														
WEARING APPAREL	(116.7)	(95.3)	(77.7)	(70.5)	(85.6)	(108.0)	(144.9)	(118.0)	(111.5)				(928.2)	(984.1)
INDUSTRIAL [b]	3.5	3.9	3.7	6.0	4.7	4.1	5.0	4.7	3.4				39.0	33.5
HOME TEXTILES [c]	(16.2)	(14.5)	(10.5)	(10.9)	(10.8)	(13.1)	(13.2)	(13.8)	(13.1)				(116.1)	(122.9)
CARPETS & RUGS [d]	0	0.7	0.5	0.2	0.7	0.6	1.3	2.3	0.5				6.8	1.0
ALL OTHER [e]	(0.1)	(0.2)	(0.2)	(0.2)	(0.3)	(0.1)	(0.1)	(0.2)	(0.2)				(1.6)	(2.1)
SUBTOTAL	**(129.5)**	**(105.4)**	**(84.2)**	**(75.4)**	**(91.3)**	**(116.5)**	**(151.9)**	**(125.0)**	**(120.9)**				**(1000.1)**	**(1074.6)**
TOTAL BALANCE	**(173.0)**	**(131.3)**	**(107.5)**	**(107.6)**	**(127.5)**	**(159.8)**	**(202.2)**	**(174.5)**	**(159.9)**				**(1343.3)**	**(1360.0)**

ALL DATA ARE PRELIMINARY.

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Situation and Outlook Report,*** CWS-66, November 1991.

( ) Trade deficit.

a. Includes broadwoven and knit fabrics.

b. Includes narrow, industrial and miscellaneous fabrics.

c. Includes blankets, bedsheets, pillowcases, tablecloths, placemats, napkins, bathroom and kitchen toweling, bedspreads and quilts.

d. Includes knotted, woven, tufted, felt, tile, etc.

e. Includes such products as lace & lace articles, lace window curtains, etc.

NOTE: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with manufactured fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

THIS TABLE IS BASED ON A STUDY PUBLISHED BY THE U.S. DEPARTMENT OF AGRICULTURE, BASED ON THE HARMONIZED SYSTEM. THERE IS NO COMPARISON WITH PREVIOUS SERIES FOR PRIOR YEARS.

TABLE 9:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF WOOL MANUFACTURES

MILLION POUNDS

ITEM	1990												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1990	1989
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	0.7	0.9	0.7	0.9	0.9	0.7	0.5	0.5	0.4	0.5	0.4	0.3	7.5	4.1
CLOTH[a]	1.5	1.3	1.6	1.5	1.5	1.4	1.5	1.1	0.9	1.0	1.0	0.8	15.1	14.3
SUBTOTAL	**2.2**	**2.2**	**2.3**	**2.4**	**2.4**	**2.1**	**2.0**	**1.7**	**1.3**	**1.5**	**1.4**	**1.1**	**22.6**	**18.4**
MANUFACTURED PRODUCTS														
WEARING APPAREL	6.2	4.7	4.6	5.2	8.5	12.5	18.3	19.5	15.3	14.4	7.2	4.7	121.1	134.6
INDUSTRIAL[b]	0.2	0.1	0.2	0.2	0.3	0.4	0.3	0.3	0.4	0.5	0.4	0.4	3.7	3.0
HOME TEXTILES[c]	+	+	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	1.0	0.9
CARPETS & RUGS[d]	5.7	3.3	4.4	3.9	4.0	3.7	4.1	3.7	3.1	3.7	4.3	3.5	47.4	49.4
ALL OTHER[e]	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	**12.1**	**8.1**	**9.3**	**9.4**	**12.9**	**16.7**	**22.8**	**23.6**	**18.9**	**18.7**	**12.0**	**8.7**	**173.2**	**187.9**
TOTAL IMPORTS	**14.3**	**10.3**	**11.6**	**11.8**	**15.3**	**18.8**	**24.8**	**25.3**	**20.2**	**20.2**	**13.4**	**9.8**	**195.8**	**206.3**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	0.1	+	0.1	+	0.1	+	+	+	0.1	+	+	+	0.4	0.4
CLOTH[a]	0.8	0.4	0.6	0.5	0.5	0.5	0.4	0.5	0.4	0.4	0.4	0.3	5.7	7.2
SUBTOTAL	**0.9**	**0.4**	**0.7**	**0.5**	**0.6**	**0.5**	**0.4**	**0.5**	**0.5**	**0.4**	**0.4**	**0.3**	**6.1**	**7.6**
MANUFACTURED PRODUCTS														
WEARING APPAREL	1.2	1.7	1.5	1.9	2.1	2.2	2.0	2.0	2.0	1.7	1.3	1.2	20.8	15.5
INDUSTRIAL[b]	0.8	1.3	1.2	1.3	1.4	1.2	1.2	1.6	0.9	1.1	1.7	1.4	15.1	22.6
HOME TEXTILES[c]	+	+	0.1	0.5	0.6	0.3	0.1	0.2	0.1	0.1	0.1	0.1	2.2	0.7
CARPETS & RUGS[d]	0.9	1.1	1.4	1.1	0.8	1.0	1.1	1.0	1.1	1.0	0.9	0.8	12.2	14.9
ALL OTHER[e]	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	**2.9**	**4.1**	**4.2**	**4.8**	**4.9**	**4.7**	**4.4**	**4.8**	**4.1**	**3.9**	**4.0**	**3.5**	**50.3**	**53.7**
TOTAL EXPORTS	**3.8**	**4.5**	**4.9**	**5.3**	**5.5**	**5.2**	**4.8**	**5.3**	**4.6**	**4.3**	**4.4**	**3.8**	**56.4**	**61.3**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	(0.6)	(0.9)	(0.6)	(0.9)	(0.8)	(0.7)	(0.5)	(0.6)	(0.3)	(0.5)	(0.4)	(0.3)	(7.1)	(3.7)
CLOTH[a]	(0.7)	(0.9)	(1.0)	(1.0)	(1.0)	(0.9)	(1.1)	(0.6)	(0.5)	(0.6)	(0.6)	(0.5)	(9.4)	(7.1)
SUBTOTAL	**(1.3)**	**(1.8)**	**(1.6)**	**(1.9)**	**(1.8)**	**(1.6)**	**(1.6)**	**(1.2)**	**(0.8)**	**(1.1)**	**(1.0)**	**(0.8)**	**(16.5)**	**(10.8)**
MANUFACTURED PRODUCTS														
WEARING APPAREL	(5.0)	(3.0)	(3.1)	(3.3)	(6.4)	(10.3)	(16.3)	(17.5)	(13.3)	(12.7)	(5.9)	(3.5)	(100.3)	(119.1)
INDUSTRIAL[b]	0.6	1.2	1.0	1.1	1.1	0.8	0.9	1.3	0.5	0.6	1.3	1.0	11.4	19.6
HOME TEXTILES[c]	0	0	0	0.4	0.5	0.2	0	0.1	0	0	0	0	1.2	(0.2)
CARPETS & RUGS[d]	(4.8)	(2.2)	(3.0)	(2.8)	(3.2)	(2.7)	(3.0)	(2.7)	(2.0)	(2.7)	(3.4)	(2.7)	(35.2)	(34.5)
ALL OTHER[e]	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SUBTOTAL	**(9.2)**	**(4.0)**	**(5.1)**	**(4.6)**	**(8.0)**	**(12.0)**	**(18.4)**	**(18.8)**	**(14.8)**	**(14.8)**	**(8.0)**	**(5.2)**	**(122.9)**	**(134.2)**
TOTAL BALANCE	**(10.5)**	**(5.8)**	**(6.7)**	**(6.5)**	**(9.8)**	**(13.6)**	**(20.0)**	**(20.0)**	**(15.6)**	**(15.9)**	**(9.0)**	**(6.0)**	**(139.4)**	**(145.0)**

ALL DATA ARE PRELIMINARY.

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Situation and Outlook Report,*** CWS-66, November 1991.

( ) Trade deficit.

a. Includes broadwoven and knit fabrics.

b. Includes narrow, industrial and miscellaneous fabrics.

c. Includes blankets, bedsheets, pillowcases, tablecloths, placemats, napkins, bathroom and kitchen toweling, bedspreads and quilts.

d. Includes knotted, woven, tufted, felt, tile, etc.

e. Includes such products as lace & lace articles, lace window curtains, etc.

NOTE: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with manufactured fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

THIS TABLE IS BASED ON A STUDY PUBLISHED BY THE U.S. DEPARTMENT OF AGRICULTURE, BASED ON THE HARMONIZED SYSTEM. THERE IS NO COMPARISON WITH PREVIOUS SERIES FOR PRIOR YEARS.

TABLE 10:
RAW FIBER EQUIVALENT OF IMPORTS, EXPORTS & BALANCE OF WOOL MANUFACTURES

MILLION POUNDS

ITEM	1991												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
IMPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	0.5	0.5	0.6	0.5	0.7	0.6	0.8	0.5	0.4				5.1	6.3
CLOTH[a]	1.2	1.1	1.3	1.4	1.4	1.1	1.5	1.2	1.0				11.2	12.3
SUBTOTAL	**1.7**	**1.6**	**1.9**	**1.9**	**2.1**	**1.7**	**2.3**	**1.7**	**1.4**				**16.3**	**18.6**
MANUFACTURED PRODUCTS														
WEARING APPAREL	6.0	5.0	4.3	4.5	7.2	10.7	16.8	17.7	17.3				89.5	94.8
INDUSTRIAL[b]	0.4	0.4	0.4	0.4	0.5	0.5	0.4	0.5	0.5				4.0	2.4
HOME TEXTILES[c]	+	+	0.1	+	+	0.1	0.1	+	0.1				0.4	0.7
CARPETS & RUGS[d]	4.3	3.3	3.4	4.1	4.2	3.3	4.3	3.7	3.8				34.4	35.9
ALL OTHER[e]	0	0	0	0	0	0	0	0	0				0	0
SUBTOTAL	**10.7**	**8.7**	**8.2**	**9.0**	**11.9**	**14.6**	**21.6**	**21.9**	**21.7**				**128.3**	**133.8**
TOTAL IMPORTS	**12.4**	**10.3**	**10.1**	**10.9**	**14.0**	**16.3**	**23.9**	**23.6**	**23.1**				**144.6**	**152.4**
EXPORTS														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	+	0.1	+	+	0.1	0.1	+	+	+				0.3	0.4
CLOTH[a]	0.4	0.4	0.4	0.6	0.5	0.7	0.6	0.6	0.4				4.6	4.6
SUBTOTAL	**0.4**	**0.5**	**0.4**	**0.6**	**0.6**	**0.8**	**0.6**	**0.6**	**0.4**				**4.9**	**5.0**
MANUFACTURED PRODUCTS														
WEARING APPAREL	1.0	1.1	1.4	1.9	2.1	1.9	1.8	2.0	1.6				14.8	16.6
INDUSTRIAL[b]	1.4	1.5	1.2	1.3	1.6	1.4	1.4	2.1	1.5				13.4	10.9
HOME TEXTILES[c]	0.1	0.1	0.2	0.2	0.2	0.3	0.2	0.2	0.3				1.8	1.9
CARPETS & RUGS[d]	0.7	1.7	0.8	1.0	0.8	0.8	1.2	1.0	1.0				9.0	9.5
ALL OTHER[e]	0	0	0	0	0	0	0	0	0				0	0
SUBTOTAL	**3.2**	**4.4**	**3.6**	**4.4**	**4.7**	**4.4**	**4.6**	**5.3**	**4.4**				**39.0**	**38.9**
TOTAL EXPORTS	**3.6**	**4.9**	**4.0**	**5.0**	**5.3**	**5.2**	**5.2**	**5.9**	**4.8**				**43.9**	**43.9**
BALANCE														
SEMIMANUFACTURED PRODUCTS														
YARN, THREAD, CORDAGE & ROPE	(0.5)	(0.4)	(0.6)	(0.5)	(0.6)	(0.5)	(0.8)	(0.5)	(0.4)				(4.8)	(5.9)
CLOTH[a]	(0.8)	(0.7)	(0.9)	(0.8)	(0.9)	(0.4)	(0.9)	(0.6)	(0.6)				(6.6)	(7.7)
SUBTOTAL	**(1.3)**	**(1.1)**	**(1.5)**	**(1.3)**	**(1.5)**	**(0.9)**	**(1.7)**	**(1.1)**	**(1.0)**				**(11.4)**	**(13.6)**
MANUFACTURED PRODUCTS														
WEARING APPAREL	(5.0)	(3.9)	(2.9)	(2.6)	(5.1)	(8.8)	(15.0)	(15.7)	(15.7)				(74.7)	(78.2)
INDUSTRIAL[b]	1.0	1.1	0.8	0.9	1.1	0.9	1.0	1.6	1.0				9.4	8.5
HOME TEXTILES[c]	0.1	0.1	0.1	0.2	0.2	0.2	0.1	0.2	0.2				1.4	1.2
CARPETS & RUGS[d]	(3.6)	(1.6)	(2.6)	(3.1)	(3.4)	(2.5)	(3.1)	(2.7)	(2.8)				(25.4)	(26.4)
ALL OTHER[e]	0	0	0	0	0	0	0	0	0				0	0
SUBTOTAL	**(7.5)**	**(4.3)**	**(4.6)**	**(4.6)**	**(7.2)**	**(10.2)**	**(17.0)**	**(16.6)**	**(17.3)**				**(89.3)**	**(94.9)**
TOTAL BALANCE	**(8.8)**	**(5.4)**	**(6.1)**	**(5.9)**	**(8.7)**	**(11.1)**	**(18.7)**	**(17.7)**	**(18.3)**				**(100.7)**	**(108.5)**

ALL DATA ARE PRELIMINARY.

SOURCE: U.S. Department of Agriculture, ***Cotton and Wool Situation and Outlook Report,*** CWS-66, November 1991.

( ) Trade deficit.

a. Includes broadwoven and knit fabrics.

b. Includes narrow, industrial and miscellaneous fabrics.

c. Includes blankets, bedsheets, pillowcases, tablecloths, placemats, napkins, bathroom and kitchen toweling, bedspreads and quilts.

d. Includes knotted, woven, tufted, felt, tile, etc.

e. Includes such products as lace & lace articles, lace window curtains, etc.

NOTE: In the case of blended or mixed fiber products, the quantities of each of the component fibers have been estimated and included in the proper category, e.g., in a polyester and cotton fabric, the polyester portion is tabulated with manufactured fiber and the cotton portion with cotton. A waste factor has been included to bring the data to the equivalent raw fiber consumption.

THIS TABLE IS BASED ON A STUDY PUBLISHED BY THE U.S. DEPARTMENT OF AGRICULTURE, BASED ON THE HARMONIZED SYSTEM. THERE IS NO COMPARISON WITH PREVIOUS SERIES FOR PRIOR YEARS.

TABLE 11:
SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION

	A. ARTIFICIAL (CELL.) YARN MONOFIL & STRIPS				B. SYNTHETIC (NONCELL.) TEXTILE YARN				C. SYNTHETIC (NONCELL.) IND. YARN, MONOFIL & STRIPS				D. ARTIFICIAL (CELL.) STAPLE+TOW				E. SYNTHETIC (NONCELL.) STAPLE+TOW			
	THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS	
COUNTRY	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991
AUSTRIA	0	0	0	0	0	0	0	0	546	79	916	350	0	0	0	0	23	1	72	12
BELGIUM/LUXEMBOURG	0	103	0	188	11010	10377	18915	18522	39159	33456	79628	71184	1524	140	1469	245	11225	14210	38728	47870
DENMARK	0	0	0	0	38	299	174	1010	1518	1970	1821	2206	0	12	0	3	2	10	5	16
FINLAND	0	0	0	0	549	5	709	5	441	742	399	382	0	0	0	0	132	130	92	135
FRANCE	41	738	165	2501	694	1697	1254	3026	3057	3692	6355	7910	23	303	31	78	811	931	1344	1184
WEST GERMANY	993	1458	2077	3381	4298	1824	13101	6105	8299	9250	13291	15125	202	65	210	52	1491	2766	3630	3518
GREECE	0	0	0	0	142	273	533	353	212	8	481	55	0	0	0	0	12	98	25	107
ICELAND	0	0	0	0	0	0	0	0	299	87	412	147	0	0	0	0	39	25	22	35
IRELAND	306	357	557	817	4803	2980	4962	2607	4096	13154	3788	11551	0	1570	0	405	535	389	316	498
ITALY	30	44	82	89	1587	1367	6209	5710	10922	9096	11323	9218	28	59	9	15	2532	888	1927	1276
NETHERLANDS	206	35	354	38	396	762	656	977	7369	8540	9170	10799	47	14	48	14	1654	2146	2074	2248
NORWAY	0	0	0	0	10	0	58	0	203	341	235	639	0	0	0	0	53	62	57	94
PORTUGAL	0	0	0	0	399	739	352	850	2622	1101	3386	1844	0	0	0	0	260	1006	736	775
SPAIN	20	5	39	41	8419	10606	10178	12275	8183	3907	8757	4315	0	79	0	36	1159	1448	1465	966
SWEDEN	0	0	0	0	176	160	442	316	2200	952	3059	1591	3	5	3	5	657	305	500	279
SWITZERLAND	0	13	0	28	4	2	3	22	122	79	399	271	0	18	0	92	71	190	311	535
TURKEY	0	284	0	295	1880	4904	2145	5924	19090	10787	24471	10511	182	0	181	0	3711	974	3943	456
UNITED KINGDOM	155	9	177	17	7099	9509	11665	14444	13930	13775	21302	20496	118	2202	50	793	3432	3627	5669	5672
OTHER	0	0	0	0	0	0	0	0	578	180	1226	331	0	0	0	0	0	0	0	0
TOTAL WESTERN EUROPE	**1751**	**3046**	**3451**	**7395**	**42304**	**45504**	**71356**	**72146**	**122846**	**111196**	**190419**	**168925**	**2127**	**4467**	**2001**	**1738**	**27799**	**29206**	**60916**	**65676**
CZECHOSLOVAKIA	0	0	0	0	0	0	0	0	239	52	1656	308	0	0	0	0	60	0	56	0
EAST GERMANY	0	0	0	0	68	0	404	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNGARY	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	313	0	139
POLAND	572	0	370	0	0	0	0	0	14	9	95	62	0	0	0	0	4395	4089	3487	3438
U.S.S.R.	0	0	0	0	2341	516	8301	789	312	13	1563	24	0	0	0	0	0	112	0	405
YUGOSLAVIA	0	0	0	0	18	0	51	0	0	34	0	2774	0	0	0	0	189	500	193	293
OTHER	0	29	0	74	0	0	0	0	0	0	0	0	0	0	0	0	0	30	0	74
TOTAL EASTERN EUROPE	**572**	**29**	**370**	**74**	**2427**	**516**	**8756**	**789**	**565**	**109**	**3314**	**3171**	**0**	**0**	**0**	**0**	**4644**	**5044**	**3736**	**4349**
CANADA	**563**	**175**	**1305**	**469**	**40356**	**39983**	**79809**	**76780**	**29052**	**40346**	**69761**	**91129**	**1509**	**1357**	**901**	**1485**	**56445**	**61511**	**56027**	**61350**
ARGENTINA	33	76	90	197	268	942	790	5090	632	2138	1593	4508	18	25	17	27	828	2268	836	1923
BOLIVIA	0	0	0	0	38	52	64	129	0	65	0	85	0	0	0	0	0	3	0	3
BRAZIL	28	2	28	37	457	1169	1627	4849	4039	2904	8806	7328	17	682	53	509	3640	8338	3350	5357
CHILE	6	3	17	28	447	700	878	2328	529	687	1106	1844	14	55	9	58	12552	14980	8329	10572
COLOMBIA	151	288	492	848	486	211	1978	768	2108	1415	22135	12918	1378	667	1361	812	6950	10303	5624	8299
COSTA RICA	0	1	0	16	248	202	513	555	698	406	929	549	4	0	10	0	7347	3665	4389	2768
DOMINICAN REPUBLIC	2	19	4	123	446	316	547	345	773	1144	531	1205	2	11	3	16	598	562	464	802
ECUADOR	1	36	4	73	746	980	638	1085	592	387	530	439	231	336	271	187	6840	7504	4400	4709
EL SALVADOR	0	4	0	32	258	649	411	721	47	237	211	1019	0	81	0	34	10550	11452	6480	7290
GUATEMALA	0	57	0	553	1165	2040	1069	1876	644	605	1449	863	107	35	85	52	5251	6476	2700	4279
HAITI	0	0	0	0	135	106	161	125	2	2	10	7	0	0	0	0	1	3	3	7
HONDURAS	0	1	0	3	124	963	805	1557	163	46	195	87	0	76	0	31	2341	2165	1126	1442
JAMAICA	0	0	0	0	19	8	36	19	655	271	687	396	0	0	0	0	62	315	113	192
MEXICO	269	191	960	552	3413	4567	8386	12949	6050	8069	16657	22454	8168	7444	7000	5698	46314	26441	40991	26167
PANAMA	0	0	0	0	7	5	15	27	16	64	45	133	0	83	0	33	106	143	155	172
PERU	0	0	0	0	337	165	568	346	218	1604	405	2274	45	154	57	195	259	1139	152	765
TRINIDAD	35	0	5	0	58	21	183	12	9	113	53	295	0	0	0	0	10	61	16	81
URUGUAY	0	0	0	0	3	28	14	184	217	23	361	70	0	0	0	0	333	305	283	340
VENEZUELA	0	0	0	0	227	819	442	1465	671	1739	1765	5982	977	889	851	1041	3345	6144	2056	7232
OTHER	2	0	7	0	19	26	101	219	357	159	188	238	0	9	0	9	56	422	99	307
TOTAL OTHER AMERICAS	**527**	**678**	**1607**	**2462**	**8901**	**13969**	**19226**	**34649**	**18420**	**22078**	**57656**	**62694**	**10961**	**10547**	**9717**	**8702**	**107383**	**102689**	**81568**	**82707**

TABLE 11:
SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION *(CONTINUED)*

	A. ARTIFICIAL (CELL.) YARN MONOFIL & STRIPS				B. SYNTHETIC (NONCELL.) TEXTILE YARN				C. SYNTHETIC (NONCELL.) IND. YARN, MONOFIL & STRIPS				D. ARTIFICIAL (CELL.) STAPLE+TOW				E. SYNTHETIC (NONCELL.) STAPLE+TOW			
	THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS		THOUS POUNDS		THOUS DOLLARS	
COUNTRY	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991
HONG KONG	75	2	242	21	121	2222	255	2609	793	866	2507	3206	6	89	6	61	6556	6785	5702	9588
INDIA	4	36	25	19	26	73	118	181	6524	863	5779	2163	0	168	0	138	2136	122	1956	172
INDONESIA	0	0	0	0	0	34	0	97	23959	14593	35970	23502	840	0	770	0	1847	3286	1212	2794
KOREA, REP. OF	8	0	25	0	289	1070	1514	1675	4689	3942	5834	6355	308	24	304	19	17652	11736	12725	9647
MALAYSIA	0	1	0	3	0	0	0	0	36	119	86	325	0	46	0	37	21	178	58	345
PAKISTAN	77	197	87	218	0	4	0	10	234	243	430	233	556	59	492	58	833	1189	633	733
PHILIPPINES	0	0	0	0	107	90	412	223	461	861	3671	3915	23	155	47	241	295	1317	571	785
SINGAPORE	0	0	0	0	120	145	178	248	756	928	1700	2066	0	0	0	0	145	1324	199	1236
TAIWAN	0	6	0	50	711	1234	1236	2437	6238	7743	8290	10095	70	1392	355	1562	19652	13729	14491	11935
THAILAND	0	0	0	0	182	81	312	142	1284	1416	2546	2889	0	39	0	105	1449	2487	1140	1692
TOTAL OTHER ASIA	**164**	**242**	**379**	**311**	**1556**	**4953**	**4025**	**7622**	**44974**	**31574**	**66813**	**54749**	**1803**	**1972**	**1974**	**2221**	**50586**	**42153**	**38687**	**38927**
CHINA, PRC	**0**	**0**	**0**	**0**	**1223**	**964**	**1319**	**3505**	**1978**	**530**	**4116**	**627**	**0**	**1110**	**0**	**1936**	**23214**	**51141**	**14895**	**40494**
JAPAN	**5**	**2**	**6**	**7**	**7067**	**11757**	**12726**	**20314**	**13395**	**13022**	**30362**	**32758**	**42**	**127**	**74**	**142**	**10104**	**8141**	**20479**	**19941**
ALGERIA	0	0	0	0	638	16	878	23	777	1689	876	2009	0	0	0	0	0	0	0	0
AUSTRALIA	15	0	44	0	11296	9446	28256	20716	11554	9761	20326	21110	48	128	82	86	4597	3919	6291	6140
CAMEROON	0	0	0	0	93	144	142	189	0	0	0	0	0	0	0	0	0	0	0	0
EGYPT	0	0	0	0	2285	2156	3813	2500	2611	3242	3074	5515	0	0	0	0	4022	5234	3918	4860
ISRAEL	0	67	0	47	0	2085	0	2466	0	2004	0	3860	0	48	0	86	0	129	0	162
JORDAN	0	0	0	0	47	95	119	132	123	55	66	100	0	0	0	0	0	35	0	33
KENYA	0	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	44	0	34	0
LEBANON	0	7	0	18	0	53	0	186	2928	3	4018	19	0	0	0	0	0	0	0	0
MOROCCO	0	0	0	0	1273	2008	1018	1815	9724	4892	7060	4609	31	0	48	0	515	0	332	0
NEW ZEALAND	0	0	0	0	493	350	1440	995	1236	1182	3170	3968	0	0	0	0	245	686	564	1049
NIGERIA	0	0	0	0	7	19	104	287	73	47	109	91	0	0	0	0	1198	105	598	101
SAUDI ARABIA	0	2	0	17	645	417	747	638	904	810	1527	1380	0	0	0	0	204	218	236	487
SOUTH AFRICA	0	1	0	8	108	49	464	226	9017	5240	7340	6079	31	0	12	0	1836	1398	1950	1716
SUDAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	3	0
SYRIA	0	72	0	34	6199	4851	5257	4583	94	100	139	108	0	0	0	0	0	0	0	0
TUNISIA	0	0	0	0	134	49	148	51	59	139	60	118	0	0	0	0	0	86	0	125
UNITED ARAB EMIRATES	0	0	0	0	0	3	0	18	69	4	177	16	0	0	0	0	11	50	58	334
OTHER	0	+	0	4	566	355	969	696	982	391	2015	950	0	0	0	0	579	198	394	539
TOTAL M.E., A., & O.	**15**	**149**	**44**	**128**	**23784**	**22096**	**43355**	**35521**	**40151**	**29560**	**49957**	**49935**	**110**	**176**	**142**	**172**	**13252**	**12058**	**14378**	**15546**
GRAND TOTAL	**3597**	**4321**	**7162**	**10846**	**127518**	**139742**	**240572**	**253326**	**271381**	**248415**	**472398**	**463988**	**16552**	**19756**	**14809**	**16396**	**293427**	**311943**	**290686**	**328990**

SOURCE: U.S. Census Bureau Report EM546

+ Less than 1 thousand pounds.

The Harmonized Tariff Schedule numbers are:

A. 5403.10.00.00, 5403.10.30.20, 5403.10.30.40, 5403.10.60.00, 5403.20.00.00, 5403.20.30.00, 5403.20.60.00, 5403.31.10.00 - 5403.39.00.40, 5403.41.00.00 - 5403.49.00.00, 5405.00.30.00 & 5405.00.60.00

B. 5402.31.00.00, 5402.31.30.00, 5402.31.60.00, 5402.32.00.00, 5402.32.20.00, 5402.32.60.00, 5402.33.00.00, 5402.33.30.00, 5402.33.60.00, 5402.39.00.00, 5402.39.30.10, 5402.39.30.90, 5402.39.60.10, 5402.39.60.90, 5402.41.00.10 & 5402.42.00.00

C. 5402.10.00.00, 5402.10.30.20, 5402.10.30.40, 5402.10.60.00, 5402.41.00.20, 5402.41.00.30, 5402.41.00.40, 5402.41.00.60, 5402.51.00.00, 5402.61.00.00, 5402.20.00.00, 5402.20.30.20, 5402.20.30.40, 5402.20.60.00, 5402.43.00.20, 5402.43.00.30, 5402.43.00.40, 5402.43.00.60, 5402.52.00.00, 5402.62.00.00, 5404.10.20.40, 5402.49.00.10, 5402.49.00.50, 5402.49.00.70, 5402.49.00.80, 5402.59.00.00, 5402.69.00.00, 5404.10.10.00, 5404.10.20.20, 5404.10.20.90 & 5404.90.00.00

D. 5504.10.00.00, 5504.90.00.00 & 5507.00.00.00

E. 5503.10.00.00, 5503.20.00.00, 5503.30.00.00, 5503.40.00.00, 5503.90.00.00, 5501.10.00.00, 5501.20.00.00, 5501.30.00.00, 5501.90.00.00, 5506.10.00.00, 5506.20.00.00, 5506.30.00.00 & 5506.90.00.00

TABLE 12:
U.S. MANUFACTURED FIBER IMPORTS [a]

ITEM	THOUSAND POUNDS			THOUSAND DOLLARS		
	1989	1990	1991	1989	1990	1991
ARTIFICIAL (CELLULOSIC) FIBER						
FILAMENT YARN						
HIGH TENACITY	2456	2407	3792	6366	6814	9610
TEXTURED	1380	364	35	1776	570	80
OTHER	21400	20744	26940	42097	46855	55578
MONOFILAMENTS & STRIPS	1022	641	22	2089	1013	271
SUBTOTAL ABOVE	**26258**	**24156**	**30789**	**52328**	**55252**	**65539**
STAPLE	53140	106132	90755	50107	116911	101468
TOW	800	5436	1264	1004	6820	1384
TOPS	55	7	7	148	15	34
SUBTOTAL ABOVE	**53995**	**111575**	**92026**	**51259**	**123746**	**102886**
WASTE	**574**	**471**	**1939**	**205**	**311**	**754**
SYNTHETIC (NONCELLULOSIC) FIBERS						
FILAMENT YARN						
NYLON						
HIGH TENACITY	19511	15228	18618	36494	31974	46520
TEXTURED						
UP TO 450 DENIER	3550	3569	4399	8844	9691	13676
OVER 450 DENIER	14098	28363	33957	16308	38036	47289
POY	0	11756	30553	0	22498	54274
OTHER	47182	21766	23145	77096	40907	48645
MONOFILAMENTS & STRIPS	1303	1592	1476	4983	6378	5994
SUBTOTAL ABOVE	**85644**	**82274**	**112148**	**143725**	**149484**	**216398**
POLYESTER						
HIGH TENACITY	7810	6043	8325	11120	8939	10663
TEXTURED	18939	10562	7714	20716	12518	9439
POY	16274	4755	3195	13290	4341	4383
OTHER	18931	19917	20040	30409	34878	35471
MONOFILAMENTS & STRIPS	737	653	686	1642	1596	1637
SUBTOTAL ABOVE	**62691**	**41930**	**39960**	**77177**	**62272**	**61598**
OTHER SYNTHETIC FILAMENT						
TEXTURED	19246	20537	1551	21603	22018	1482
OTHER	7774	3365	13721	22532	7287	53478
MONOFILAMENTS & STRIPS	6890	6568	7413	23405	37246	45854
SUBTOTAL ABOVE	**33910**	**30470**	**22685**	**67540**	**66551**	**100814**
STAPLE						
NYLON	21711	35929	27669	29771	44018	38309
POLYESTER	117697	122162	178783	84212	72656	101828
ACRYLIC	17937	16745	14819	19176	17237	16366
POLYPROPYLENE	2093	1610	3982	1942	1646	3621
OTHER	4373	3211	3459	6558	6096	6524
TOW						
NYLON	4493	5283	6171	4930	5872	7904
POLYESTER	969	942	1006	1185	1090	1119
ACRYLIC	19583	21156	23216	23618	23145	30336
OTHER	584	571	167	630	1343	585
TOPS	2977	2151	3837	6027	3863	4232
SUBTOTAL ABOVE	**192417**	**209760**	**263109**	**178049**	**176966**	**210824**
WASTE						
NYLON	23982	21355	20110	7826	7455	6668
POLYESTER	17038	24563	13119	4766	6465	2732
OTHER	7001	8615	7090	1744	2109	1524
TOTAL MANUFACTURED FIBERS ABOVE	**503510**	**555169**	**602975**	**584620**	**650611**	**769737**
OTHER MFRD. FIBER YARN & THREAD						
SEWING THREAD						
FILAMENT	1375	1082	1687	7184	6886	10026
SPUN YARN	5129	5677	6620	15736	18828	20535
SPUN YARNS						
SYNTHETIC	48773	23391	7354	80416	42482	10765
ARTIFICIAL	0	0	0	0	0	0
PUT UP FOR RETAIL SALE	591	148	629	2696	551	4809
GRAND TOTAL ABOVE	**559378**	**585467**	**619265**	**690652**	**719358**	**815872**

SOURCE: U.S. Census Bureau Report IM146.

a U.S. General Imports.

TABLE 13:
U.S. MANUFACTURED FIBER EXPORTS

	THOUSAND POUNDS			THOUSAND DOLLARS		
ITEM	1989	1990	1991	1989	1990	1991
ARTIFICIAL (CELLULOSIC) FIBER						
FILAMENT YARN						
HIGH TENACITY	956	1186	1515	1764	2087	3499
TEXTURED	1977	1460	1009	2198	2207	2178
OTHER	974	700	1458	1477	2123	3554
MONOFILAMENTS & STRIPS	362	251	339	637	745	1615
SUBTOTAL ABOVE	**4269**	**3597**	**4321**	**6076**	**7162**	**10846**
STAPLE	19196	15217	15286	18713	14251	15062
TOPS	895	1335	4470	269	558	1334
SUBTOTAL ABOVE	**20091**	**16552**	**19756**	**18982**	**14809**	**16396**
WASTE	**11554**	**6228**	**8458**	**5132**	**2915**	**3817**
SYNTHETIC (NONCELLULOSIC) FIBERS						
FILAMENT YARN						
NYLON						
HIGH TENACITY	108014	124226	78649	154954	168504	117690
TEXTURED						
UP TO 450 DENIER	9182	11429	12839	35982	56691	61783
OVER 450 DENIER	50037	47573	45748	92442	92083	82897
POY	0	0	437	0	0	2967
OTHER	25207	28897	39728	57969	66525	86385
MONOFILAMENTS & STRIPS	1908	739	400	3345	1928	1439
SUBTOTAL ABOVE	**194348**	**212864**	**177801**	**344692**	**385731**	**353161**
POLYESTER						
HIGH TENACITY	39124	51629	60578	50197	66603	74986
TEXTURED	33544	45715	58326	45252	60744	75037
POY	16687	16349	15090	21369	15815	14073
OTHER	10354	25677	28263	15841	30480	35833
MONOFILAMENTS & STRIPS	3187	2201	2848	6648	4798	5804
SUBTOTAL ABOVE	**102896**	**141571**	**165105**	**139307**	**178440**	**205733**
OTHER SYNTHETIC FILAMENT						
TEXTURED	9165	6552	7302	15393	15239	16569
OTHER	20443	25809	23142	84570	85118	87913
MONOFILAMENTS & STRIPS	8874	12203	14807	27904	48442	53938
SUBTOTAL ABOVE	**38482**	**44564**	**45251**	**127867**	**148799**	**158420**
STAPLE						
NYLON	32261	26044	28894	38497	34837	48901
POLYESTER	111985	82823	107469	87131	56859	75887
ACRYLIC	73604	49063	26649	54364	33767	23790
POLYPROPYLENE	27344	28078	32794	24140	31549	35077
OTHER	19593	15496	11587	62761	50663	48369
TOW						
NYLON	992	1999	2067	2375	3663	3338
POLYESTER	4244	876	559	6650	1380	808
ACRYLIC	18532	21228	8065	16092	18918	6958
OTHER	1398	1837	553	3117	2843	1363
TOPS	32592	65983	93306	35676	56207	84499
SUBTOTAL ABOVE	**322545**	**293427**	**311943**	**330803**	**290686**	**328990**
WASTE						
NYLON	29594	40159	29198	12816	19496	16018
POLYESTER	41872	32682	44839	18927	12139	14694
OTHER	69923	62458	78458	25073	25840	35308
TOTAL MANUFACTURED FIBERS ABOVE	**835574**	**854102**	**885130**	**1029675**	**1086017**	**1143383**
OTHER MFRD. FIBER YARN & THREAD						
SEWING THREAD						
FILAMENT	732	550	11164	3278	1893	37628
SPUN YARN	0	0	5343	0	0	12284
SPUN YARNS						
SYNTHETIC	36078	49948	17323	60269	81035	26458
ARTIFICIAL	0	0	4186	0	0	8004
PUT UP FOR RETAIL SALE	7985	9744	32917	13662	28981	61848
GRAND TOTAL ABOVE	**880369**	**914344**	**956063**	**1106884**	**1197926**	**1289605**

SOURCE: U.S. Census Bureau Report EM522

TABLE 14:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

	A. SYNTHETIC (NONCELLULOSIC) YARN - SINGLES						B. SYNTHETIC (NONCELLULOSIC) STAPLE+TOW								C. SPUN YARNS				D. WASTE			
	NYLON		POLYESTER		OTHER		NYLON		POLYESTER		ACRYLIC		OTHER		ARTIFICIAL (CELL.)		SYNTHETIC (NONCELL.)		ARTIFICIAL (CELL.)		SYNTHETIC (NONCELL.)	
COUNTRY	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991
AUSTRIA	19	0	0	0	20	135	46	52	251	3	0	0	84	50	0	0	103	68	0	23	0	0
BELGIUM/LUXEMBOURG	2813	241	4	3	3125	401	616	5	94	12	18	0	50	4	0	0	5	0	0	0	6	47
DENMARK	0	1	0	4	0	0	0	0	0	0	0	0	64	1040	0	0	0	0	0	0	0	0
FINLAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	116	0	0	0
FRANCE	10061	9519	232	17	2	1	5018	4872	0	0	0	0	21	28	0	0	331	46	0	0	483	1198
WEST GERMANY	12532	12766	8008	7458	124	205	5134	5663	455	2738	6829	10769	1471	1876	0	0	3018	2385	6	0	3302	2930
GREECE	176	0	0	0	9	7	0	0	0	0	0	0	0	0	0	0	71	0	0	0	0	0
IRELAND	0	117	0	0	596	1690	0	0	520	2350	0	0	26	0	0	0	6	0	0	0	0	0
ITALY	4396	534	107	136	60	248	348	641	657	297	1306	84	403	371	0	0	1630	53	0	0	34	24
NETHERLANDS	1756	1155	1536	1853	0	625	62	60	38	20	0	0	134	74	0	0	22	0	0	0	1869	796
PORTUGAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	150	1	0	0	0	0
SPAIN	49	22	144	1	50	20	232	602	35	154	163	0	0	0	0	0	181	5	131	133	88	0
SWITZERLAND	44	92	12	22	1	1	1993	2331	114	1042	0	0	0	0	0	0	3	0	0	0	692	761
UNITED KINGDOM	14975	20791	1421	1731	1563	2610	4832	3091	111	88	14956	12875	96	143	0	0	600	2	22	77	2326	1215
OTHER	817	1974[a]	0	0	110	7[g]	0	2[i]	764	585[m]	13	169[p]	0	0	0	0	1293	41[s]	0	0	1151	1264[t]
TOTAL WESTERN EUROPE	**47638**	**47212**	**11464**	**11225**	**5660**	**5950**	**18281**	**17319**	**3039**	**7289**	**23285**	**23897**	**2349**	**3586**	**0**	**0**	**7415**	**2601**	**275**	**233**	**9951**	**8235**
POLAND	0	0	0	0	0	0	0	0	0	0	0	0	47	0	0	0	0	0	0	0	0	0
ROMANIA	0	0	0	37	0	0	0	0	114	85	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	0	180[b]	8	0	0	0	0	1[j]	0	0	0	63[q]	0	34[r]	0	0	639	0	0	0	0	36[u]
TOTAL EASTERN EUROPE	**0**	**180**	**8**	**37**	**0**	**0**	**0**	**1**	**114**	**85**	**0**	**63**	**47**	**34**	**0**	**0**	**639**	**0**	**0**	**0**	**0**	**36**
CANADA	**26167**	**50892**	**878**	**2880**	**16250**	**1899**	**21223**	**14820**	**4432**	**14646**	**9**	**0**	**320**	**133**	**0**	**0**	**3098**	**2262**	**7**	**43**	**15054**	**11589**
ARGENTINA	0	455	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1042	769
BRAZIL	0	0	24	0	0	58	0	0	2674	0	0	0	133	658	0	0	690	0	0	44	0	0
COSTA RICA	27	0	5718	6449	309	110	0	0	0	0	0	0	0	0	0	0	0	0	0	0	170	119
MEXICO	4639	5486	12615	11174	1362	93	0	0	19213	20357	4254	1566	0	37	0	0	4413	928	55	8	15151	11130
OTHER	6	60[c]	778	300[f]	2	0	0	3[k]	0	4[n]	0	0	395	0	0	0	447	0	0	0	346	0
TOTAL OTHER AMERICA	**4672**	**6001**	**19135**	**17923**	**1673**	**263**	**0**	**3**	**21887**	**20361**	**4254**	**1566**	**528**	**695**	**0**	**0**	**5550**	**928**	**55**	**52**	**16709**	**12018**
BANGLADESH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	837	0	0
HONG KONG	0	1	0	0	0	0	0	0	64	246	0	0	0	0	0	0	194	99	0	0	0	0
INDONESIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	266	0	0	0	0	0
KOREA, REP. OF	0	10	263	99	0	525	18	0	49761	73253	0	0	85	882	0	0	1869	425	0	0	2870	257
MALAYSIA	0	0	0	0	0	0	0	0	373	370	0	0	0	0	0	0	757	693	0	0	0	0
PHILIPPINES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SINGAPORE	0	0	146	85	0	0	0	0	0	0	0	0	0	0	0	0	1856	74	0	0	23	0
TAIWAN	20	48	4993	1112	1	1	28	14	17483	39759	45	385	4	0	0	0	166	12	133	774	4778	1117
THAILAND	889	953	6	2	0	0	0	0	209	49	0	0	0	0	0	0	0	0	0	0	0	0
OTHER	0	13[d]	0	0	15	2[h]	0	0	14544	11870[o]	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL OTHER ASIA	**909**	**1025**	**5408**	**1298**	**16**	**528**	**46**	**14**	**82434**	**125547**	**45**	**385**	**89**	**882**	**0**	**0**	**5108**	**1303**	**133**	**1611**	**7671**	**1374**

TABLE 14:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN *(CONTINUED)*
THOUSAND POUNDS

	A. SYNTHETIC (NONCELLULOSIC) YARN - SINGLES						B. SYNTHETIC (NONCELLULOSIC) STAPLE+TOW								C. SPUN YARNS				D. WASTE			
	NYLON		POLYESTER		OTHER		NYLON		POLYESTER		ACRYLIC		OTHER		ARTIFICIAL (CELL.)		SYNTHETIC (NONCELL.)		ARTIFICIAL (CELL.)		SYNTHETIC (NONCELL.)	
COUNTRY	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991	1990	1991
CHINA, PRC	0	18	0	0	0	0	0	5	321	218	0	0	0	0	0	0	988	200	0	0	307	1552
JAPAN	1237	2442	4384	5572	303	6632	918	807	10722	11490	10308	12124	2004	2268	0	0	470	34	1	0	2739	3059
AUSTRALIA	0	290	0	17	0	0	744	398	155	153	0	0	55	10	0	0	26	26	0	0	2062	1479
EGYPT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ISRAEL	0	2084	0	92	0	0	0	410	0	0	0	0	0	0	0	0	0	0	0	0	0	977
NEW ZEALAND	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH AFRICA	0	511	0	230	0	0	0	51	0	0	0	0	0	0	0	0	0	0	0	0	40	0
OTHER	59	17●	0	0	0	0	0	12l	0	0	0	0	0	0	0	0	97	0	0	0	40	0
TOTAL M.E., A. & O.	59	2902	0	339	0	0	744	871	155	153	0	0	55	10	0	0	123	26	0	0	2102	2456
GRAND TOTAL	80682	110672	41277	39274	23902	15272	41212	33840	123104	179789	37901	38035	5392	7608	0	0	23391	7354	471	1939	54533	40319

SOURCE: U.S. Census Bureau Report IM146

The Harmonized Tariff Schedule numbers are:

A. Nylon 5402.10.30.20, 5402.10.30.40, 5402.10.60.00, 5402.31.30.00, 5402.31.60.00, 5402.32.30.00, 5402.32.60.00, 5402.41.00.10, 5402.41.00.30, 5402.41.00.40, 5402.51.00.00 & 5402.61.00.00.
Polyester 5402.20.30.20, 5402.20.30.40, 5402.20.60.00, 5402.33.30.00, 5402.33.60.00, 5402.42.00.00, 5402.43.00.20, 5402.43.00.40, 5402.52.00.00 & 5402.62.00.00.
Other 5402.39.30.10, 5402.39.30.90, 5402.39.60.10, 5402.39.60.90, 5402.49.00.10, 5402.49.00.50, 5402.49.00.70, 5402.49.00.80, 5402.59.00.00 & 5402.69.00.00

B. Nylon 5503.10.00.00 & 5501.10.00.00
Polyester 5503.20.00.00 & 5501.20.00.00
Acrylic 5503.30.00.00 & 5501.30.00.00.
Other 5503.40.00.00, 5503.90.00.00 & 5501.90.00.00

C. Artificial (Cellulosic) 5510.11.00.00, 5510.90.20.00, 5510.12.00.00, 5510.90.40.00, 5510.20.00.00, 5510.30.00.00 & 5510.90.60.00.
Synthetic (Noncellulosic) 5509.11.00.00, 5509.21.00.00, 5509.51.30.00, 5509.31.00.00, 5509.41.00.00, 5509.69.20.00, 5509.99.20.00, 5509.12.00.00, 5509.22.00.10, 5509.22.00.90, 5509.51.60.00, 5509.32.00.00, 5509.42.00.00, 5509.69.40.00, 5509.99.40.00, 5509.52.00.00, 5509.53.00.30, 5509.53.00.60, 5509.59.00.00, 5509.61.00.00, 5509.62.00.00, 5509.69.60.00, 5509.91.00.00, 5509.92.00.00 & 5509.99.60.00

D. Artificial (Cellulosic) 5505.20.00.00
Synthetic (Noncellulosic) 5505.10.00.20, 5505.10.00.40 & 5505.10.00.60

a. Turkey 1804, Sweden 170.
b. Czechoslovakia 167, Yugoslavia 13.
c. Venezuela 60.
d. India 13.
e. Morocco 17.
f. Peru 107, Ecuador 82, Colombia 47, Honduras 39, El Salvador 25.
g. Turkey 7.
h. India 2.
i. Turkey 2.
j. USSR 1.
k. Ecuador 3.
l. Seychelles 12.
m. Turkey 584, Sweden 1.
n. Colombia 4.
o. India 11870.
p. Turkey 169.
q. Hungary 63.
r. Czechoslovakia 34.
s. Turkey 41.
t. Turkey 1264.
u. Yugoslavia 36.

GRAPH 1:
IMPORTS VS. EXPORTS OF MANUFACTURED FIBER

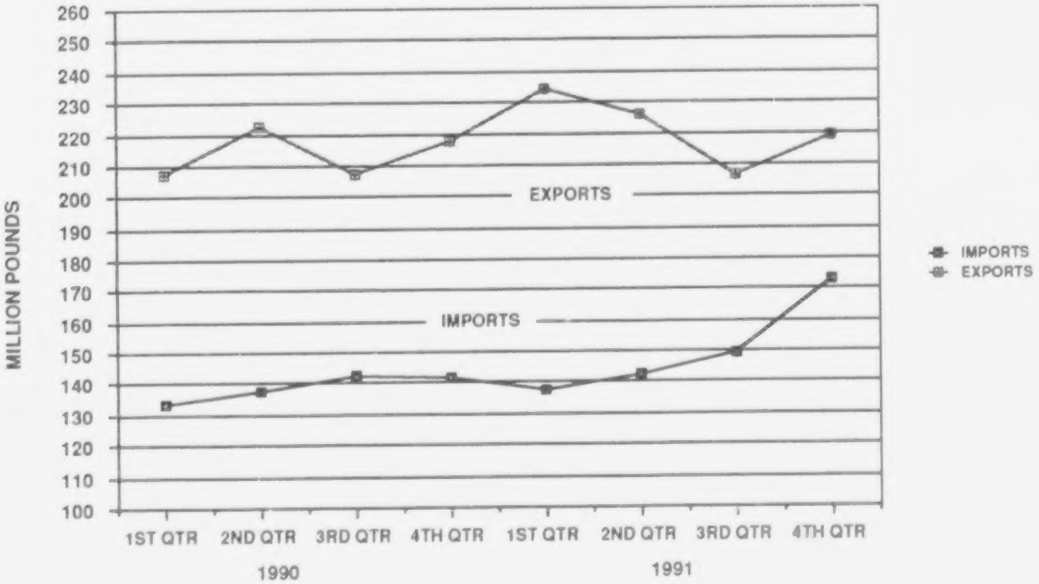

TABLE 15:
MANUFACTURED FIBER QUARTERLY TRADE BALANCE
MILLION POUNDS

	ARTIFICIAL (CELLULOSIC) YARN & MONOFIL			ARTIFICIAL (CELLULOSIC) STAPLE+TOW			SYNTHETIC (NONCELLULOSIC) YARN & MONOFIL			SYNTHETIC (NONCELLULOSIC) STAPLE+TOW			ARTIFICIAL (CELLULOSIC) WASTE			SYNTHETIC (NONCELLULOSIC) WASTE			TOTAL		
	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL	IMP	EXP	BAL
1990																					
1ST QUARTER	5.3	0.7	(4.6)	18.9	5.6	(13.3)	41.5	98.0	56.5	52.4	68.4	16.0	0	1.3	1.3	15.2	33.2	18.0	133.3	207.2	73.9
2ND QUARTER	6.2	0.9	(5.3)	23.9	4.6	(19.3)	42.3	107.2	64.9	51.5	74.7	23.2	0.1	1.7	1.6	13.8	33.1	19.3	137.8	222.2	84.4
3RD QUARTER	6.5	0.9	(5.6)	35.4	3.7	(31.7)	39.3	88.9	49.6	48.6	78.1	29.5	0.2	1.5	1.3	12.4	34.3	21.9	142.4	207.4	65.0
4TH QUARTER	6.2	1.1	(5.1)	33.4	2.7	(30.7)	31.6	104.9	73.3	57.3	72.2	14.9	0.2	1.7	1.5	13.1	34.7	21.6	141.8	217.3	75.5
TOTAL	24.2	3.6	(20.6)	111.6	16.6	(95.0)	154.7	399.0	244.3	209.8	293.4	83.6	0.5	6.2	5.7	54.5	135.3	80.8	555.3	854.1	298.8
1991																					
1ST QUARTER	5.9	1.3	(4.6)	26.9	2.3	(24.6)	35.1	106.6	71.5	59.2	77.1	17.9	0.2	3.2	3.0	10.5	43.6	33.1	137.8	234.1	96.3
2ND QUARTER	6.4	1.1	(5.3)	20.3	5.0	(15.3)	42.3	106.5	64.2	63.6	74.6	11.0	1.1	1.4	0.3	9.0	37.2	28.2	142.7	225.8	83.1
3RD QUARTER	7.9	1.1	(6.8)	23.3	4.2	(19.1)	44.8	88.3	43.5	61.9	76.7	14.8	0.5	1.6	1.1	11.0	34.3	23.3	149.4	206.2	56.8
4TH QUARTER	10.6	0.8	(9.8)	21.5	8.3	(13.2)	52.6	86.8	34.2	78.4	83.5	5.1	0.1	2.3	2.2	9.8	37.4	27.6	173.0	219.1	46.1
TOTAL	30.8	4.3	(26.5)	92.0	19.8	(72.2)	174.8	388.2	213.4	263.1	311.9	48.8	1.9	8.5	6.6	40.3	152.5	112.2	602.9	885.2	282.3

SOURCES: The fiber import and export data are from the U.S. Bureau of the Census (Reports IM145X and EM522).

( ) Trade deficit

TABLE 16:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1991												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	123	0	38	114	80	117	151	74	69	56	14	0	836	626
BELGIUM	3	21	4	41	6	9	19	111	281	288	170	127	1080	24
BRAZIL	109	164	28	109	27	27	23	28	18	0	138	80	751	1005
CANADA	775	408	877	1147	905	740	633	730	1165	1486	1689	1302	11857	5951
CHILE	44	22	44	0	44	66	110	88	110	154	66	22	770	1061
WEST GERMANY	478	633	531	493	686	421	448	810	809	1069	771	559	7708	7890
JAPAN	111	134	114	119	142	108	177	82	287	179	143	180	1776	1216
MEXICO	150	39	118	41	79	64	136	205	109	227	96	254	1518	1264
NETHERLANDS	263	188	279	218	129	277	191	196	110	197	152	207	2407	3474
UNITED KINGDOM	86	0	0	35	109	38	183	262	230	291	351	345	1930	377
ALL OTHER COUNTRIES [a]	15	35	29	2	0	26	8	26	2	4	1	8	156	1268
TOTAL ARTIFICIAL YARN	**2157**	**1644**	**2062**	**2319**	**2207**	**1893**	**2079**	**2612**	**3190**	**3951**	**3591**	**3084**	**30789**	**24156**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	1339	1371	1214	396	1672	1470	1377	2002	2981	1404	1163	1785	18174	14860
CANADA	3228	2840	3042	1843	1824	3870	3587	4086	3382	3760	4728	4077	40267	46911
CHINA, PRC	321	0	251	211	760	0	0	149	0	0	0	0	1692	673
FINLAND	309	197	371	143	167	459	491	391	379	368	563	288	4126	6720
WEST GERMANY	515	46	0	0	0	0	262	81	0	7	80	201	1192	5403
JAPAN	84	227	95	95	95	109	62	79	40	30	145	64	1125	1736
TAIWAN	1336	1268	1186	1721	1148	1773	813	176	416	308	0	395	10540	16519
THAILAND	763	1317	232	296	513	231	220	0	0	268	0	94	3934	3548
UNITED KINGDOM	815	438	473	128	70	21	332	128	236	202	80	87	3010	6475
YUGOSLAVIA	584	29	2559	636	81	239	729	84	39	166	0	580	5726	2525
ALL OTHER COUNTRIES [b]	223	206	0	122	119	81	590	120	108	224	247	200	2240	6205
TOTAL ARTIFICIAL STAPLE+TOW	**9517**	**7939**	**9423**	**5591**	**6449**	**8253**	**8463**	**7296**	**7581**	**6737**	**7006**	**7771**	**92026**	**111575**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	239	40	100	143	33	57	33	19	0	0	4	24	692	5940
BRAZIL	0	0	0	48	0	35	0	0	0	1	10	0	94	699
CANADA	2668	3903	3431	4073	5854	4970	5217	5412	4778	5961	5920	6250	58437	45755
COSTA RICA	725	454	473	544	669	469	512	665	577	611	445	418	6562	6053
ECUADOR	0	34	34	15	0	0	0	0	0	0	0	0	83	550
FRANCE	627	705	668	841	962	1212	450	900	510	911	822	1459	10067	10824
WEST GERMANY	1556	1449	1843	1576	1857	2178	2093	2337	1589	1742	2165	1675	22060	22338
IRELAND	147	215	119	34	193	285	129	239	266	683	144	166	2620	814
ISRAEL	50	179	110	74	146	136	223	176	294	242	290	279	2199	0
ITALY	106	109	29	38	75	73	116	107	47	124	193	264	1281	5458
JAPAN	853	903	1401	1266	1190	894	1522	1605	932	1671	1145	1609	14991	6669
KOREA, REP. OF	117	59	149	5	146	45	119	139	66	145	41	140	1171	691
MEXICO	1414	1663	1343	1620	1438	1066	1028	996	1384	1763	1253	1943	16911	18697
NETHERLANDS	223	258	329	284	305	416	359	367	287	833	467	205	4333	3303
TAIWAN	89	91	45	132	184	184	122	132	166	69	61	525	1800	5606
THAILAND	61	67	65	95	129	63	81	66	74	110	30	113	954	894
UNITED KINGDOM	1740	1370	2596	1637	1678	1695	2578	2287	2275	2264	2661	3034	25815	18028
ALL OTHER COUNTRIES [c]	75	82	58	222	557	501	630	462	404	337	389	1006	4723	2055
TOTAL SYNTHETIC YARN	**10690**	**11581**	**12793**	**12647**	**15416**	**14279**	**15212**	**15909**	**13649**	**17467**	**16040**	**19110**	**174793**	**154374**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	15	42	0	12	1	3	0	1	12	4	16	1	107	386
AUSTRALIA	75	143	0	81	60	8	47	0	45	38	35	25	557	950
BRAZIL	0	110	199	87	86	0	123	52	0	0	0	0	657	2806
CANADA	1378	1146	968	1942	2184	2466	2427	1699	2993	5142	3803	3586	29734	26213
FRANCE	544	417	282	421	382	323	471	417	435	329	363	532	4916	5181
WEST GERMANY	1136	1400	1732	1931	1558	1881	1902	2022	1794	2050	1945	1913	21264	14431
INDIA	3008	3879	264	0	1186	646	152	144	333	290	400	1620	11922	14544
IRELAND	0	0	0	0	357	328	660	208	366	310	40	82	2351	546
ITALY	176	47	80	53	203	11	48	175	28	196	187	200	1404	2764
JAPAN	2386	2197	2080	1840	2110	2337	2270	2143	2080	2541	2286	2451	26721	23962
KOREA, REP. OF	4958	6473	6864	5486	7279	6700	6126	6620	3456	7998	6327	5978	74265	49869
MALAYSIA	0	95	0	48	48	44	44	44	0	0	0	44	367	374
MEXICO	1957	1575	1576	2743	2130	1364	2809	2304	971	2252	1426	938	22045	23908
SPAIN	14	22	0	20	29	7	154	82	37	61	44	284	754	382
SWITZERLAND	117	285	152	127	183	363	364	370	372	465	72	504	3374	2157
TAIWAN	3102	1918	1891	3664	3181	2923	2864	4005	3625	5170	5100	5354	42797	17672
TURKEY	0	0	2	111	0	151	65	37	0	73	0	316	755	777
UNITED KINGDOM	1848	1395	963	1630	1359	1064	1017	1406	956	1821	1958	1187	16604	20382
ALL OTHER COUNTRIES [d]	137	87	29	170	77	213	580	394	140	332	242	114	2515	2456
TOTAL SYNTHETIC STAPLE+TOW	**20851**	**21231**	**17082**	**20366**	**22413**	**20832**	**22123**	**22123**	**17643**	**29072**	**24244**	**25129**	**263109**	**209760**

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a. India 103, France 22, Italy 18, Spain 7, Taiwan 5, Hong Kong 1

b. Sweden 1277, Poland 225, Turkey 219, Spain 181, Romania 177, Belgium 45, Syria 44, Netherlands 38, USSR 18, France 6, Italy 5, Brazil 3, Mexico 2.

c. Turkey 1809, South Africa 741, Argentina 457, Australia 301, Portugal 182, Sweden 180, Czechoslovakia 167, Austria 154, Switzerland 148, Peru 106, Singapore 84, Venezuela 60, China, PRC 49, Colombia 42, Spain 42 Honduras 39, Hong Kong 37, Romania 37, El Salvador 25, Morocco 17, India 14, Yugoslavia 13, Denmark 6, Greece 5, Hong Kong 5, Finland 3.

d. Denmark 1038, Israel 530, Hong Kong 246, China, PRC 223, Netherlands 154, Romania 85, Hungary 63, South Africa 63, Thailand 49, Czechoslovakia 34, Belgium 21, Colombia 4, Ecuador 3, Sweden 1, USSR 1

TABLE 17:
U.S. MANUFACTURED FIBER IMPORTS[a]
THOUSAND POUNDS

ITEM	1991 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1991	1990
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	311	129	212	316	231	83	77	311	298	842	580	402	3792	2407
TEXTURED	0	0	0	0	0	0	5	0	0	28	0	2	35	364
OTHER	1845	1514	1847	1999	1975	1809	1996	2300	2888	3080	3011	2676	26940	20744
MONOFILAMENTS & STRIPS	1	1	3	4	1	1	1	1	4	1	0	4	22	641
SUBTOTAL ABOVE	**2157**	**1644**	**2062**	**2319**	**2207**	**1893**	**2079**	**2612**	**3190**	**3951**	**3591**	**3084**	**30789**	**24156**
STAPLE	8891	7889	9419	5533	6391	8250	8359	7269	7549	6613	6943	7649	90755	106132
TOW	626	50	4	58	58	3	104	27	32	117	63	122	1264	5436
TOPS	0	0	0	0	0	0	0	0	0	7	0	0	7	7
SUBTOTAL ABOVE	**9517**	**7939**	**9423**	**5591**	**6449**	**8253**	**8463**	**7296**	**7581**	**6737**	**7006**	**7771**	**92026**	**111575**
WASTE	**87**	**129**	**0**	**695**	**177**	**275**	**321**	**89**	**128**	**38**	**0**	**0**	**1939**	**471**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	1173	2391	1704	2541	1923	1751	1450	1330	940	1175	827	1413	18618	15228
TEXTURED														
UP TO 450 DENIER	198	350	232	285	478	302	535	336	377	542	391	373	4399	3569
OVER 450 DENIER	1197	1786	1557	1069	3421	3870	3037	3336	2638	3597	3886	4563	33957	28363
POY	2103	1563	3032	1981	2693	2740	2969	2577	2270	2210	3020	3395	30553	11756
OTHER	834	780	821	1828	1718	1726	2312	2544	2460	3184	2352	2586	23145	21766
MONOFILAMENTS & STRIPS	150	72	131	131	139	51	172	111	117	107	132	163	1476	1592
SUBTOTAL ABOVE	**5655**	**6942**	**7477**	**7835**	**10372**	**10440**	**10475**	**10234**	**8802**	**10815**	**10608**	**12493**	**112148**	**82274**
POLYESTER														
HIGH TENACITY	785	708	651	621	671	339	340	598	563	556	1129	1364	8325	6043
TEXTURED	833	810	561	622	642	455	383	476	684	643	597	1008	7714	10562
POY	207	172	201	246	406	300	238	240	334	183	206	462	3195	4755
OTHER	1548	1439	2102	1371	1486	1064	1490	1943	1634	2499	1726	1738	20040	19917
MONOFILAMENTS & STRIPS	41	31	30	68	31	73	141	58	52	12	48	101	686	653
SUBTOTAL ABOVE	**3414**	**3160**	**3545**	**2928**	**3236**	**2231**	**2592**	**3315**	**3267**	**3893**	**3706**	**4673**	**39960**	**41930**
OTHER SYNTHETIC FILAMENT														
TEXTURED	248	105	164	174	107	103	194	132	84	105	130	5	1551	20537
OTHER	841	804	1233	1149	1260	870	1261	1372	859	1817	935	1320	13721	3365
MONOFILAMENTS & STRIPS	532	570	374	561	441	635	690	856	637	837	661	619	7413	6568
SUBTOTAL ABOVE	**1621**	**1479**	**1771**	**1884**	**1808**	**1608**	**2145**	**2360**	**1580**	**2759**	**1726**	**1944**	**22685**	**30470**
STAPLE														
NYLON	1879	1805	1576	2330	2039	2057	2881	2247	2973	2823	2330	2729	27669	35929
POLYESTER	14049	15468	11687	12879	15989	14655	14125	14868	10860	20844	16496	16863	178783	122162
ACRYLIC	853	804	971	1640	1303	1403	1364	1098	1438	1379	1276	1290	14819	16745
POLYPROPYLENE	134	305	363	271	156	464	1093	782	93	58	155	108	3982	1610
OTHER	276	229	400	211	308	204	248	285	302	339	388	269	3459	3211
TOW														
NYLON	591	386	240	543	533	325	564	567	545	524	476	877	6171	5283
POLYESTER	35	272	35	150	46	132	10	107	35	91	35	58	1006	942
ACRYLIC	2869	1898	1768	2227	1957	1438	1649	2058	1108	2440	2025	1779	23216	21156
OTHER	16	59	0	0	10	0	0	45	0	0	37	0	167	571
TOPS	149	5	42	115	72	154	189	66	289	574	1026	1156	3837	2151
SUBTOTAL ABOVE	**20851**	**21231**	**17082**	**20366**	**22413**	**20832**	**22123**	**22123**	**17643**	**29072**	**24244**	**25129**	**263109**	**209760**
WASTE														
NYLON	2030	1483	1648	1319	1611	1555	1931	2153	1788	1982	1091	1519	20110	21355
POLYESTER	2217	1032	774	765	886	1091	905	1185	1164	1458	855	787	13119	24563
OTHER	309	381	625	751	499	499	632	565	716	987	650	476	7090	8615
TOTAL MANUFACTURED FIBERS ABOVE	**47858**	**45420**	**44407**	**44453**	**49658**	**48677**	**51666**	**51932**	**45859**	**61692**	**53477**	**57876**	**602975**	**555169**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	49	163	98	125	189	90	185	93	119	207	217	152	1687	1082
SPUN YARN	579	341	416	648	575	525	800	635	824	431	418	428	6620	5677
SPUN YARNS														
SYNTHETIC	431	843	746	610	636	663	581	487	539	528	659	631	7354	23391
ARTIFICIAL	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PUT UP FOR RETAIL SALE	67	66	58	60	91	66	28	56	35	32	29	41	629	148
GRAND TOTAL ABOVE	**48984**	**46833**	**45725**	**45896**	**51149**	**50021**	**53260**	**53203**	**47376**	**62890**	**54800**	**59128**	**619265**	**585467**

SOURCE: U.S. Census Bureau Report IM145X

a. U.S. General Imports

TABLE 18:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	1991												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	134	284	263	22	74	82	115	207	100	20	198	16	1515	1186
TEXTURED	65	44	41	198	31	159	79	208	89	20	37	38	1009	1460
OTHER	211	69	132	193	41	257	67	87	15	109	85	192	1458	700
MONOFILAMENTS & STRIPS	2	8	42	12	6	9	24	65	18	20	56	77	339	251
SUBTOTAL ABOVE	**412**	**405**	**478**	**425**	**152**	**507**	**285**	**567**	**222**	**169**	**376**	**323**	**4321**	**3597**
STAPLE	970	779	549	710	1403	2701	1571	1221	1159	1535	1608	1080	15286	15217
TOPS	0	15	3	0	53	103	159	0	116	575	690	2756	4470	1335
SUBTOTAL ABOVE	**970**	**794**	**552**	**710**	**1456**	**2804**	**1730**	**1221**	**1275**	**2110**	**2298**	**3836**	**19756**	**16552**
WASTE	**527**	**666**	**2006**	**425**	**500**	**508**	**360**	**834**	**363**	**1190**	**837**	**242**	**8458**	**6228**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	8070	7887	9547	9139	8564	5075	6075	4386	4333	4581	4519	6473	78649	124226
TEXTURED														
UP TO 450 DENIER	1068	886	1636	1558	1172	1106	770	1121	829	921	1140	632	12839	11429
OVER 450 DENIER	4023	4917	3298	3021	2921	3681	4369	3046	4370	3906	3517	4679	45748	47573
POY	61	102	38	66	17	21	6	16	30	14	17	49	437	0
OTHER	3060	2769	3549	3394	3367	4106	2555	2955	3644	3481	3522	3326	39728	28897
MONOFILAMENTS & STRIPS	34	57	6	56	31	34	14	39	35	41	31	22	400	739
SUBTOTAL ABOVE	**16316**	**16618**	**18074**	**17234**	**16072**	**14023**	**13789**	**11563**	**13241**	**12944**	**12746**	**15181**	**177801**	**212864**
POLYESTER														
HIGH TENACITY	5640	5735	5488	5274	6132	7976	5217	3770	3367	4188	3949	3842	60578	51629
TEXTURED	5014	4345	7042	5020	6176	5011	4888	4724	4970	4666	2962	3508	58326	45715
POY	657	685	2216	2078	1814	898	747	405	1011	261	2451	1867	15090	16349
OTHER	2391	1711	2362	2654	2594	1376	2530	3098	3737	3657	1460	693	28263	25677
MONOFILAMENTS & STRIPS	138	80	235	349	430	363	85	386	196	138	105	343	2848	2201
SUBTOTAL ABOVE	**13840**	**12556**	**17343**	**15375**	**17146**	**15624**	**13467**	**12383**	**13281**	**12910**	**10927**	**10253**	**165105**	**141571**
OTHER SYNTHETIC FILAMENT														
TEXTURED	603	627	620	473	637	420	398	670	578	598	965	713	7302	6552
OTHER	2963	1623	2068	2461	2088	1693	2320	1308	1063	2101	1480	1974	23142	25809
MONOFILAMENTS & STRIPS	1050	859	1470	1062	1138	1092	1251	1612	1371	2001	1172	729	14807	12203
SUBTOTAL ABOVE	**4616**	**3109**	**4158**	**3996**	**3863**	**3205**	**3969**	**3590**	**3012**	**4700**	**3617**	**3416**	**45251**	**44564**
STAPLE														
NYLON	2146	2453	1337	1768	2288	2925	1806	2547	3324	2851	3026	2423	28894	26044
POLYESTER	6379	8388	10134	9404	10384	9044	7979	10004	11139	7313	7836	9465	107469	82823
ACRYLIC	2431	1826	2976	2459	2082	3630	2592	1149	1615	1429	2121	2338	26649	49063
POLYPROPYLENE	3302	1817	1957	3106	2742	2253	2680	3715	2708	2857	3357	2300	32794	28078
OTHER	1489	1074	1811	1089	1383	682	1166	709	781	773	298	332	11587	15496
TOW														
NYLON	253	150	187	122	96	141	102	159	161	159	293	244	2067	1999
POLYESTER	58	1	32	79	47	60	14	76	23	26	67	76	559	876
ACRYLIC	1511	1278	855	339	328	796	439	487	514	522	659	337	8065	21228
OTHER	14	1	402	7	3	0	0	16	28	2	74	6	553	1837
TOPS	11009	5452	6387	4995	10029	2354	7337	7718	5749	13166	11615	7495	93306	65983
SUBTOTAL ABOVE	**28592**	**22440**	**26078**	**23368**	**29382**	**21885**	**24115**	**26580**	**26043**	**29098**	**29346**	**25016**	**311943**	**293427**
WASTE														
NYLON	2788	2965	3563	2700	1549	3207	2195	2134	2078	2456	2206	1357	29198	40159
POLYESTER	2989	5530	5263	2796	2684	1716	3340	2878	4935	3422	5855	3431	44839	32682
OTHER	6305	6811	7387	7147	6759	8674	4910	6273	5599	6427	6110	6056	78458	62458
TOTAL MANUFACTURED FIBERS ABOVE	**77355**	**71894**	**84902**	**74176**	**79563**	**72153**	**68160**	**68023**	**70049**	**75426**	**74318**	**69111**	**885130**	**854102**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	827	890	850	1560	761	905	845	1371	977	712	795	671	11164	550
SPUN YARN	159	277	174	178	275	156	272	1781	237	240	710	884	5343	0
SPUN YARNS														
SYNTHETIC	891	1256	1434	1865	1403	1521	1641	1266	1264	1703	1678	1401	17323	49948
ARTIFICIAL	123	145	216	264	285	468	347	517	512	559	533	217	4186	0
PUT UP FOR RETAIL SALE	1488	1488	2601	2873	2730	3077	2946	4189	4482	2445	2027	2571	32917	9744
GRAND TOTAL ABOVE	**80843**	**75950**	**90177**	**80916**	**85017**	**78280**	**74211**	**77147**	**77521**	**81085**	**80061**	**74855**	**956063**	**914344**

SOURCE: U.S. Census Bureau Report EM522

TABLE 19:
QUARTERLY MANUFACTURED FIBER DATA

MILLION POUNDS

ITEM	1989					1990					1991				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS									
ARTIFICIAL (CELLULOSIC) YARN[c]															
PRODUCTION	52.7	55.8	56.7	52.3	217.5	46.8	52.3	53.6	53.5	206.2	48.0	55.4	54.5	55.3	213.2
SHIPMENTS - DOMESTIC	46.0	50.3	45.6	45.4	187.3	40.1	43.3	45.3	44.0	172.7	38.7	47.7	46.3	47.2	179.9
- EXPORT	6.8	7.9	8.4	8.6	31.7	7.8	9.1	8.7	8.4	34.0	8.7	8.3	7.8	7.5	32.3
TOTAL SHIPMENTS	52.8	58.2	54.0	54.0	219.0	47.9	52.4	54.0	52.4	206.7	47.4	56.0	54.1	54.7	212.2
ENDING STOCK	11.3	8.9	11.6	9.9		8.8	8.7	8.3	9.4		10.0	9.4	9.8	10.4	
IMPORTS	6.3	5.9	7.3	6.8	26.3	5.3	6.2	6.5	6.2	24.2	5.9	6.4	7.9	10.6	30.8
TOTAL AVAILABLE	52.3	56.2	52.9	52.2	213.6	45.4	49.5	51.8	50.2	196.9	44.6	54.1	54.2	57.8	210.7
NYLON															
PRODUCTION	436.9	447.5	434.8	440.0	1759.2	428.3	438.1	408.2	397.3	1671.9	383.9	410.0	430.9	441.3	1666.1
SHIPMENTS - DOMESTIC	387.9	399.7	400.9	386.8	1575.3	382.5	383.2	377.8	394.0	1537.5	327.1	386.7	407.7	372.4	1493.9
- EXPORT	42.7	38.9	34.8	40.4	156.8	37.9	38.4	43.0	39.5	158.8	37.4	35.2	32.2	35.3	140.1
TOTAL SHIPMENTS	430.6	438.6	435.7	427.2	1732.1	420.4	421.6	420.8	433.5	1696.3	364.5	421.9	439.9	407.7	1634.0
ENDING STOCK	131.6	140.5	139.6	152.4		160.3	176.8	164.2	128.0		147.4	135.5	126.5	160.1	
OLEFIN[a]															
PRODUCTION	313.8	324.6	310.4	308.4	1257.2	339.7	366.7	359.5	350.7	1416.6	321.9	353.6	369.3	363.4	1408.2
SHIPMENTS - DOMESTIC	308.0	315.5	301.6	300.9	1226.0	335.9	365.4	356.5	347.2	1404.9	312.0	353.0	361.3	354.3	1380.6
- EXPORT	5.2	6.4	7.2	3.7	22.5	4.6	5.5	5.6	5.7	21.4	5.2	8.4	5.2	5.5	24.3
TOTAL SHIPMENTS	313.2	321.9	308.8	304.6	1248.5	340.4	370.9	362.1	352.9	1426.3	317.2	361.4	366.5	359.8	1404.9
ENDING STOCK	58.0	60.7	62.3	66.1		65.4	61.2	58.6	56.4		61.1	53.3	56.1	59.7	
POLYESTER															
PRODUCTION	314.4	325.3	306.4	262.9	1209.0	262.1	280.0	267.7	295.4	1105.2	288.2	302.6	300.0	317.1	1207.9
SHIPMENTS - DOMESTIC	292.0	303.6	264.1	251.0	1110.7	241.7	271.9	259.9	272.7	1046.2	249.1	283.7	287.3	293.9	1114.0
- EXPORT	16.0	13.1	13.3	16.2	58.6	16.7	20.9	19.2	28.1	84.9	23.2	22.3	17.8	19.2	82.5
TOTAL SHIPMENTS	308.0	316.7	277.4	267.2	1169.3	258.4	292.8	279.1	300.8	1131.1	272.3	306.0	305.1	313.1	1196.5
ENDING STOCK	112.4	121.0	150.0	145.7		149.4	136.6	125.2	119.8		135.7	132.3	127.2	131.2	
TOTAL SYNTHETIC (NONCELLULOSIC) ABOVE															
PRODUCTION	1065.1	1097.4	1051.6	1011.3	4225.4	1030.1	1084.8	1035.4	1043.4	4193.7	994.0	1066.2	1100.2	1121.8	4282.2
SHIPMENTS - DOMESTIC	987.9	1018.8	966.6	938.7	3912.0	960.0	1020.5	994.2	1013.9	3988.6	888.2	1023.4	1056.3	1020.6	3988.5
- EXPORT	63.9	58.4	55.3	60.3	237.9	59.2	64.8	67.8	73.3	265.1	65.8	65.9	55.2	60.0	246.9
SHIPMENTS	1051.8	1077.2	1021.9	999.0	4149.9	1019.2	1085.3	1062.0	1087.2	4253.7	954.0	1089.3	1111.5	1080.6	4235.4
ENDING STOCK	302.0	322.2	351.9	364.2		375.1	374.6	348.0	304.2		344.2	321.1	309.8	351.0	
DOMESTIC SHIPMENTS	987.9	1018.8	966.6	938.7	3912.0	960.0	1020.5	994.2	1013.9	3988.6	888.2	1023.4	1056.3	1020.6	3988.5
IMPORTS - TEXTURED YARN[b]	14.4	14.7	15.0	11.8	55.9	14.4	19.8	18.9	9.9	63.0	7.5	11.5	12.2	15.8	47.5
- OTHER YARN[b]	23.3	33.0	32.5	28.6	117.4	24.6	20.2	18.4	19.8	83.0	25.7	28.7	29.8	34.1	117.8
- MONOFILAMENTS	1.2	1.6	4.0	2.1	8.9	2.5	2.3	2.0	1.9	8.7	1.9	2.1	2.8	2.7	9.5
TOTAL IMPORTS	38.9	49.3	51.5	42.5	182.2	41.5	42.3	39.3	31.6	154.7	35.1	42.3	44.8	52.6	174.8
TOTAL AVAILABLE	1026.8	1068.1	1018.1	981.2	4094.2	1001.5	1062.8	1033.5	1045.5	4143.3	923.3	1065.7	1101.1	1073.2	4163.3
						GLASS FIBER									
TOTAL SHIPMENTS	394.2	399.3	363.4	373.2	1530.1	374.5	414.6	388.3	341.7	1519.1	335.3	391.7	396.8	364.7	1488.5

FOOTNOTES FOR TABLE ABOVE & OPPOSITE:

"Imports" are general imports, as reported by the U.S. Census Bureau

a. Also include film fiber as well as spunbonded polypropylene

b. Includes singles and plied

c. Includes both rayon & acetate yarn

TABLE 19:
QUARTERLY MANUFACTURED FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1989					1990					1991				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						STAPLE+TOW									
RAYON															
PRODUCTION	100.8	101.2	83.2	77.6	362.8	73.3	72.0	74.2	79.6	299.1	67.4	68.7	69.7	67.5	273.3
SHIPMENTS -DOMESTIC	99.7	91.7	76.6	70.2	338.2	77.6	71.6	72.3	70.2	291.7	57.2	67.1	68.8	62.4	255.5
-EXPORT	3.4	5.4	4.3	3.1	16.2	4.1	4.3	2.8	1.3	12.5	1.5	2.7	2.1	1.8	8.1
TOTAL SHIPMENTS	103.1	97.1	80.9	73.3	354.4	81.7	75.9	75.1	71.5	304.2	58.7	69.8	70.9	64.2	263.6
ENDING STOCK	11.7	15.8	18.1	22.4		14.0	10.1	9.2	17.3		26.0	24.9	23.7	27.0	
DOMESTIC SHIPMENTS	99.7	91.7	76.6	70.2	338.2	77.6	71.6	72.3	70.2	291.7	57.2	67.1	68.8	62.4	255.5
IMPORTS FOR CONSUMPTION															
STAPLE GROUPED FILAMENTS	15.1	13.3	12.4	13.2	54.0	18.9	23.9	35.4	33.4	111.6	26.9	20.3	23.3	21.5	92.0
TOTAL IMPORTS	15.1	13.3	12.4	13.2	54.0	18.9	23.9	35.4	33.4	111.6	26.9	20.3	23.3	21.5	92.0
TOTAL AVAILABLE	114.8	105.0	89.0	83.4	392.2	96.5	95.5	107.7	103.6	403.3	84.1	87.4	92.1	83.9	347.5
NYLON															
PRODUCTION	252.9	242.0	241.0	244.8	980.7	237.0	273.0	242.8	236.8	989.6	200.6	206.4	237.2	224.6	868.8
SHIPMENTS -DOMESTIC	242.0	231.2	245.8	236.3	955.3	242.6	243.1	235.7	228.8	950.2	179.1	219.5	233.1	203.3	835.0
-EXPORT	7.5	4.8	5.4	5.5	23.2	7.1	6.5	6.1	4.8	24.5	6.5	7.1	7.1	6.8	27.5
TOTAL SHIPMENTS	249.5	236.0	251.2	241.8	978.5	249.7	249.6	241.8	233.6	974.7	185.6	226.6	240.2	210.1	862.5
ENDING STOCK	51.0	57.0	46.8	49.8		37.1	60.5	61.5	64.7		79.7	59.5	56.5	71.0	
IMPORTS	6.4	5.4	5.4	8.9	26.1	12.4	9.9	9.9	8.9	41.1	6.5	7.8	9.8	9.7	33.8
TOTAL AVAILABLE	248.4	236.6	251.2	245.2	981.4	255.0	253.0	245.6	237.7	991.3	185.6	227.3	242.9	213.0	868.8
ACRYLIC+MODACRYLIC															
PRODUCTION	144.3	145.6	129.4	123.4	542.7	129.6	136.9	129.0	110.3	505.8	103.0	116.4	119.8	114.7	453.9
SHIPMENTS -DOMESTIC	112.9	112.4	102.8	86.7	414.8	98.8	94.0	84.0	75.4	352.2	76.1	87.1	82.8	73.2	319.2
-EXPORT	23.6	32.5	30.0	36.5	122.6	24.5	32.5	42.2	49.2	148.4	30.7	26.6	27.3	43.3	127.9
TOTAL SHIPMENTS	136.5	144.9	132.8	123.2	537.4	123.3	126.5	126.2	124.6	500.6	106.8	113.7	110.1	116.5	447.1
ENDING STOCK	69.0	69.7	66.3	66.5		72.8	83.2	86.0	71.7		67.9	70.6	80.3	78.5	
IMPORTS	9.4	11.1	8.5	8.5	37.5	12.6	9.6	6.8	8.8	37.8	9.2	10.0	8.7	10.1	38.0
TOTAL AVAILABLE	122.3	123.5	111.3	95.2	452.3	111.4	103.6	90.8	84.2	390.0	85.3	97.1	91.5	83.3	357.2
OLEFIN															
PRODUCTION	97.1	97.7	92.0	94.8	381.6	96.9	105.3	102.8	100.5	405.5	102.2	115.3	117.0	124.0	458.5
SHIPMENTS -DOMESTIC	91.6	93.5	91.4	86.9	363.4	94.0	102.0	96.8	95.1	387.9	97.1	110.6	115.0	114.8	437.5
-EXPORT	3.1	3.7	3.4	3.8	14.0	6.0	6.2	6.3	4.2	22.7	3.1	6.1	5.6	3.9	18.7
TOTAL SHIPMENTS	94.7	97.2	94.8	90.7	377.4	100.0	108.2	103.1	99.3	410.6	100.2	116.7	120.6	118.7	456.2
ENDING STOCK	32.8	33.3	30.5	34.6		31.5	28.6	28.3	29.5		31.5	30.1	26.5	31.8	
POLYESTER															
PRODUCTION	609.4	648.8	591.0	536.1	2385.3	520.9	545.5	487.9	535.6	2089.9	505.2	524.6	568.7	604.4	2202.9
SHIPMENTS -DOMESTIC	575.4	594.6	543.0	548.3	2261.3	502.6	510.8	494.3	507.7	2015.4	467.9	525.5	548.5	586.0	2127.9
-EXPORT	34.9	21.7	20.1	16.8	93.5	15.3	15.2	19.0	33.8	83.3	26.4	29.1	24.3	23.9	103.7
TOTAL SHIPMENTS	610.3	616.3	563.1	565.1	2354.8	517.9	526.0	513.3	541.5	2098.7	494.3	554.6	572.8	609.9	2231.6
ENDING STOCK	158.5	191.0	218.9	189.9		192.9	212.4	187.0	181.1		192.0	162.0	157.9	152.4	
IMPORTS	21.5	29.9	34.5	32.7	118.6	24.9	30.3	30.2	37.8	123.2	41.5	43.9	40.0	54.4	179.8
TOTAL AVAILABLE	596.9	624.5	577.5	581.0	2379.9	527.5	541.1	524.5	545.5	2138.6	509.4	569.4	588.5	640.4	2307.7
TOTAL SYNTHETIC (NONCELLULOSIC)															
PRODUCTION	1103.7	1134.1	1053.4	999.1	4290.3	984.4	1060.7	962.5	983.2	3990.8	911.0	962.7	1042.7	1067.7	3984.1
SHIPMENTS -DOMESTIC	1021.9	1031.7	983.0	958.2	3994.8	938.0	949.9	910.8	907.0	3705.7	820.2	942.7	979.4	977.3	3719.6
-EXPORT	69.1	62.7	58.9	62.6	253.3	52.9	60.4	73.6	92.0	278.9	66.7	68.9	64.3	77.9	277.8
TOTAL SHIPMENTS	1091.0	1094.4	1041.9	1020.8	4248.1	990.9	1010.3	984.4	999.0	3984.6	886.9	1011.6	1043.7	1055.2	3997.4
ENDING STOCK	311.3	351.0	362.5	340.8		334.3	384.7	362.8	347.0		371.1	322.2	321.2	333.7	
DOMESTIC SHIPMENTS	1021.9	1031.7	983.0	958.2	3994.8	938.0	949.9	910.8	907.0	3705.7	820.2	942.7	979.4	977.3	3719.6
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE	37.3	46.4	48.4	50.1	182.2	49.9	49.8	46.9	55.5	202.1	57.2	61.7	58.5	74.2	251.6
OTHER N.C. STAPLE GROUPED FILAMENTS	3.7	2.8	1.7	2.0	10.2	2.5	1.7	1.7	1.8	7.7	1.9	1.9	3.4	4.2	11.5
TOTAL IMPORTS	41.0	49.2	50.1	52.1	192.4	52.4	51.5	48.6	57.3	209.8	59.1	63.6	61.9	78.4	263.1
TOTAL AVAILABLE	1062.9	1080.9	1033.1	1010.3	4187.2	990.4	1001.4	959.4	964.3	3915.5	879.3	1006.3	1041.3	1055.7	3982.7

See footnotes on opposite page

TABLE 20:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1992												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
	MANUFACTURED FIBER TOTAL SHIPMENTS[b, c]													
ARTIFICIAL (CELLULOSIC)														
YARN	16.8												16.8	14.8
RAYON STAPLE	23.0												23.0	20.4
TOTAL ARTIFICIAL (CELLULOSIC)	39.8												39.8	35.2
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	25.2												25.2	29.2
- CARPET	81.8												81.8	69.4
- TEXTILE[f]	33.9												33.9	34.2
POLYESTER - INDUSTRIAL[d]	30.4												30.4	25.0
- TEXTILE[f]	71.2												71.2	67.9
OLEFIN[e]	109.0												109.0	103.4
TOTAL YARN	351.5												351.5	329.1
STAPLE+TOW+FIBERFILL														
NYLON	71.4												71.4	66.8
ACRYLIC+MODACRYLIC	35.1												35.1	36.5
POLYESTER	195.1												195.1	168.6
OLEFIN	35.7												35.7	34.7
TOTAL STAPLE	337.3												337.3	306.6
TOTAL SYNTHETIC (NONCELLULOSIC)	688.8												688.8	635.7
TOTAL MANUFACTURED FIBER	728.6												728.6	670.9
	MANUFACTURED FIBER END-OF-MONTH STOCK													
ARTIFICIAL (CELLULOSIC)														
YARN	11.3												11.3	10.2
RAYON STAPLE	25.6												25.6	22.4
TOTAL ARTIFICIAL (CELLULOSIC)	36.9												36.9	32.6
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	30.7												30.7	25.0
- CARPET	82.8												82.8	72.0
- TEXTILE[f]	43.2												43.2	46.2
POLYESTER - INDUSTRIAL[d]	34.0												34.0	41.0
- TEXTILE[f]	98.0												98.0	86.4
OLEFIN[e]	58.8												58.8	61.5
TOTAL YARN	347.5												347.5	332.1
STAPLE+TOW+FIBERFILL														
NYLON	64.0												64.0	71.0
ACRYLIC+MODACRYLIC	82.3												82.3	73.4
POLYESTER	144.3												144.3	192.7
OLEFIN	33.6												33.6	29.8
TOTAL STAPLE	324.2												324.2	366.9
TOTAL SYNTHETIC (NONCELLULOSIC)	671.7												671.7	699.0
TOTAL MANUFACTURED FIBER	708.6												708.6	731.6
	COTTON & WOOL CONSUMPTION													
RAW COTTON														
APPAREL CLASS WOOL														
CARPET CLASS WOOL														
TOTAL RAW WOOL														

a. "Year to date" totals for stock, are the latest month's figures.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic shipments plus export shipments.

d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

e. Olefin yarn+monofilaments also includes spunbonded poly propylene and film fiber produced for textile end uses.

f. Includes low denier industrial yarn.

C 340 [illegible] 1

FIBER ORGANON

Volume 63, No. 3 ☐ March 1992

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Highlights

- Manufactured Fiber Producing Industry Employment in Selected Countries... see page 47.
- 1991: A Year in Perspective...begins on page 48.
- Quarterly Manufactured Fiber Data...see pages 62 - 63.

SHIPMENTS:

In February, total manufactured fiber shipments reached 701 million pounds, 4% below the 728 million pounds shipped in January and 13% above the 618 million pounds shipped in February 1991.

February shipments of synthetic (noncellulosic) filament yarn fell 3% to 340 million pounds and staple+tow fell 5% to 322 million pounds.

Contributing to the decrease in shipments over the previous month were nylon textile yarn down 14% or 5 million pounds, nylon staple+tow down 11% or 8 million pounds and nylon industrial yarn down 2 million pounds or 8%.

Year-to-date domestic shipments of manufactured fiber are up 13% and exports are down 15%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1992		% CHG	1991	% CHG	YEAR TO DATE		% CHG YTD
	FEB	JAN	2/92 - 1/92	FEB	2/92 - 2/91	1992	1991	1992 - 1991
ARTIFICIAL (CELLULOSIC)								
YARN	17.9	16.8	*+6.5*	16.4	*+9.1*	34.7	31.2	*+11.2*
RAYON STAPLE	21.0	23.0	*-8.7*	16.2	*+29.6*	44.0	36.6	*+20.2*
TOTAL ARTIFICIAL (CELL.)	**38.9**	**39.8**	***-2.3***	**32.6**	***+19.3***	**78.7**	**67.8**	***+16.1***
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	23.2	25.2	*-7.9*	28.1	*-17.4*	48.4	57.3	*-15.5*
- CARPET	77.4	81.8	*-5.4*	54.5	*+42.0*	159.2	123.9	*+28.5*
- TEXTILE [a]	29.2	33.9	*-13.9*	30.0	*-2.7*	63.1	64.2	*-1.7*
POLYESTER - INDUSTRIAL	28.7	30.4	*-5.6*	27.0	*+6.3*	59.1	52.0	*+13.7*
- TEXTILE [a]	68.0	71.2	*-4.5*	61.5	*+10.6*	139.2	129.4	*+7.6*
OLEFIN	113.5	108.7	*+4.4*	104.4	*+8.7*	222.2	207.8	*+6.9*
TOTAL YARN	**340.0**	**351.2**	***-3.2***	**305.5**	***+11.3***	**691.2**	**634.6**	***+8.9***
STAPLE+TOW+FIBERFILL								
NYLON	63.7	71.4	*-10.8*	54.7	*+16.5*	135.1	121.5	*+11.2*
ACRYLIC+MODACRYLIC	33.5	35.1	*-4.6*	34.8	*-3.7*	68.6	71.3	*-3.8*
POLYESTER	186.8	195.1	*-4.3*	159.6	*+17.0*	381.9	328.2	*+16.4*
OLEFIN	38.1	35.7	*+6.7*	30.9	*+23.3*	73.8	65.6	*+12.5*
TOTAL STAPLE	**322.1**	**337.3**	***-4.5***	**280.0**	***+15.0***	**659.4**	**586.6**	***+12.4***
TOTAL SYNTHETIC (NONCELL.)	**662.1**	**688.5**	***-3.8***	**585.5**	***+13.1***	**1350.6**	**1221.2**	***+10.6***
TOTAL MANUFACTURED FIBER	**701.0**	**728.3**	***-3.7***	**618.1**	***+13.4***	**1429.3**	**1289.0**	***+10.9***
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS [b]	663.5	689.8	*-3.8*	573.4	*+15.7*	1353.3	1199.9	*+12.8*
EXPORTS [c]	37.5	38.5	*-2.6*	44.7	*-16.1*	76.0	89.1	*-14.7*

[a] Includes low denier industrial yarn

[b] Includes olefin exports

[c] Excludes olefin exports

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GRAPH 1:
MANUFACTURED FIBER PRODUCING INDUSTRY EMPLOYMENT IN SELECTED COUNTRIES

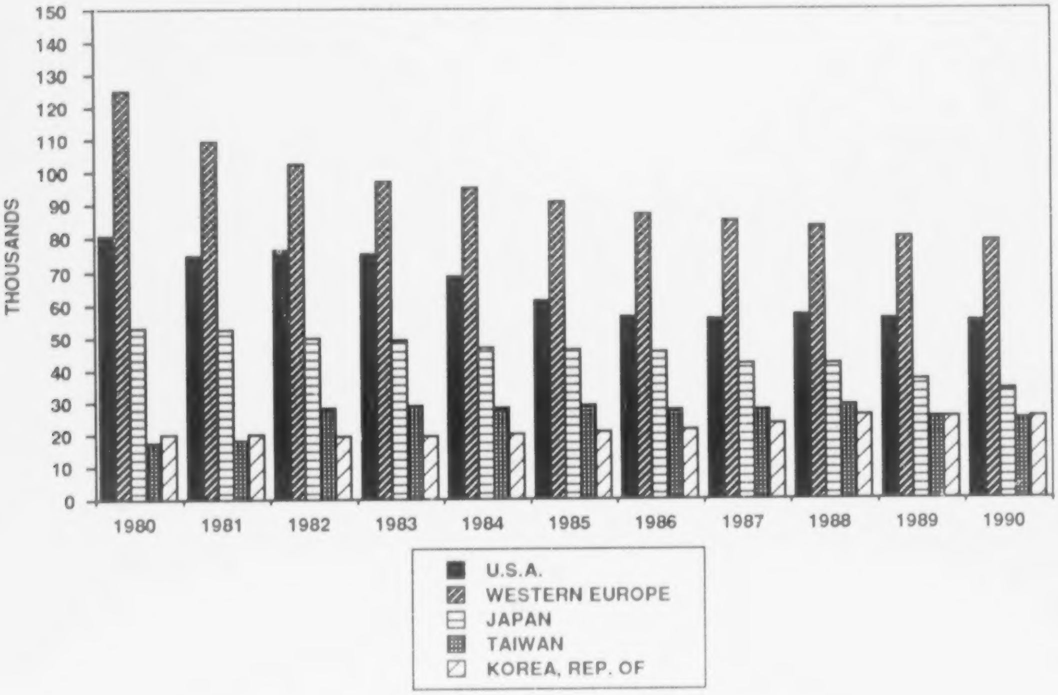


TABLE 2:
MANUFACTURED FIBER PRODUCING INDUSTRY EMPLOYMENT IN SELECTED COUNTRIES

YEAR	COUNTRY				
	U.S.A.	WESTERN EUROPE	JAPAN	TAIWAN	KOREA, REP. OF
1980	81,000	124,965	53,105	17,500	19,885
1981	74,800	109,837	52,130	18,005	19,745
1982	76,511	102,865	49,695	28,065	19,220
1983	75,418	97,425	49,200	28,575	19,230
1984	68,184	95,290	46,885	27,785	19,830
1985	61,158	90,700	46,195	28,375	20,325
1986	55,876	87,360	45,235	27,110	21,055
1987	55,690	85,385	41,570	27,600	23,335
1988	56,697	83,308	41,559	28,365	25,345
1989	55,562	83,177	36,831	24,839	25,205
1990	54,897	79,146	33,301	24,330	25,183

SOURCE: C.I.R.F.S., Taiwan Man-Made Fiber Industry and ***Fiber Organon*** estimate
NOTE: Data include production, administration and technical department personnel

1991: A YEAR IN PERSPECTIVE

In 1991, U.S. mill consumption of manufactured fiber increased slightly. This increase in annual consumption compares to cotton mill consumption which rose by 8% and an increase of 22% in the wool mill consumption. (Graph 2)

The reason for the increase in manufactured fiber mill consumption was an increase in polyester consumption of 9% in 1991.

In comparing the total 1991 mill consumption for manufactured fiber, cotton and wool, cotton registered an increase in market share over manufactured fiber. In 1991, the manufactured fiber share of total mill consumption fell to 66%, while cotton rose to 33% and wool stood the same at 1%. (Table 4)

In 1991, exports of manufactured fiber, cotton and wool manufactures rose to 1,647 million pounds, 7% above the 1990 level of 1,537 million pounds. (Table 9)

In 1991, domestic consumption of manufactured fiber totaled 9,889 million pounds, a slight increase from 1990, cotton totaled 6,139 million pounds, an increase of 6% and wool totaled 300 million pounds, up 9%. (Table 9)

Imports of manufactures rose by 4% in 1991 to 4,593 million pounds. Imports represented 28% of domestic consumption in 1991. This compares to 28% in 1990, 27% in 1989 and 26% in 1988. (Table 9)

TABLE 3:
MILL CONSUMPTION BY FIBER

BILLION POUNDS

YEAR	RAYON	ACETATE[a]	NYLON[b]	POLYESTER	ACRYLIC[c]	OLEFIN	COTTON	WOOL	TOTAL
1981	0.5	0.2	2.2	3.5	0.5	0.8	2.7	0.2	10.6
1982	0.3	0.2	1.9	3.0	0.5	0.8	2.5	0.1	9.3
1983	0.4	0.2	2.4	3.4	0.5	1.0	2.8	0.2	10.9
1984	0.4	0.2	2.4	3.2	0.5	1.0	2.7	0.2	10.6
1985	0.5[d]		2.6	3.1	0.5	1.4	2.8	0.1	11.0
1986	0.6[d]		2.5	3.2	0.6	1.5	3.3	0.2	11.9
1987	0.6[d]		2.7	3.5	0.5	1.6	3.7	0.2	12.8
1988	0.6[d]		2.7	3.6	0.5	1.5	3.5	0.2	12.6
1989	0.6[d]		2.6	3.6	0.5	1.7	4.0	0.1	13.1
1990	0.6[d]		2.6	3.2	0.4	2.1	4.0	0.1	13.0
1991	0.6[d]		2.5	3.5	0.4	1.9	4.3	0.2	13.4

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the March 1985 issue

[a] Includes triacetate. Cigarette tow is excluded

[b] Includes Aramid for all years except 1983-1991

[c] Includes modacrylic

[d] Rayon and acetate combined

TABLE 4:
U.S. MILL CONSUMPTION OF MANUFACTURED FIBER, COTTON & WOOL

MILLION POUNDS & *PERCENT*

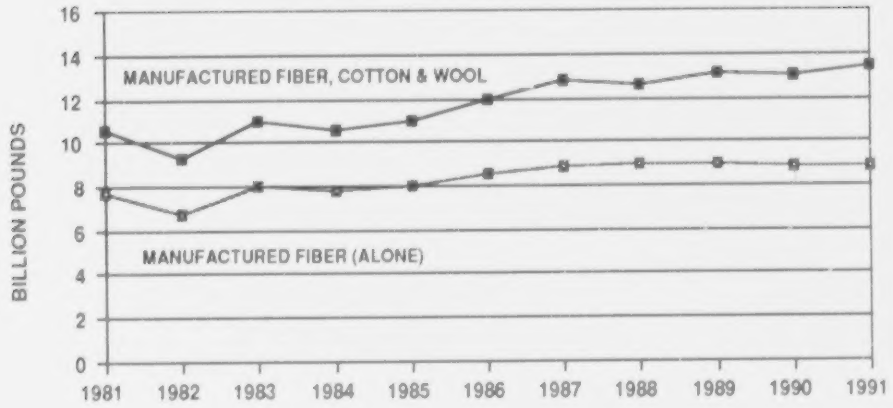
YEAR	MANUFACTURED FIBER	%[a]	%[b]	COTTON	%[a]	%[b]	WOOL	%[a]	%[b]	TOTAL	%[a]	%[b]
1981	7721.5	--	72.9	2730.8	--	25.7	152.7	--	1.4	10605.0	--	100.0
1982	6653.5	-13.8	71.8	2478.9	-9.2	26.8	129.5	-15.2	1.4	9261.9	-12.7	100.0
1983	7994.5	+20.2	73.0	2795.7	+12.8	25.5	162.5	+25.5	1.5	10952.7	+18.3	100.0
1984	7789.5	-2.6	73.4	2668.2	-4.6	25.1	163.2	+0.4	1.5	10620.9	-3.0	100.0
1985	8035.5	+3.2	73.3	2796.0	+4.8	25.5	134.7	-17.5	1.2	10966.2	+3.3	100.0
1986	8453.9	+5.2	70.9	3301.7	+18.1	27.7	164.5	+22.1	1.4	11920.1	+8.7	100.0
1987	8861.7	+4.8	69.4	3736.5	+13.2	29.3	167.6	+1.9	1.3	12765.8	+7.1	100.0
1988	9017.4	+1.8	71.4	3470.1	-7.1	27.4	156.1	-6.9	1.2	12643.6	-1.0	100.0
1989	9009.6	-0.1	68.6	3985.9	+14.9	30.3	139.6	-10.6	1.1	13135.1	+3.9	100.0
1990	8837.0	-1.9	67.9	4036.5	+1.3	31.1	135.4	-3.0	1.0	13008.9	-1.0	100.0
1991	8867.6	+0.3	66.3	4347.5	+7.7	32.5	165.2	+22.0	1.2	13380.3	+2.9	100.0

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the March 1985 issue

[a] Percent change from year to year

[b] Percent of total fiber consumption

GRAPH 2:
U.S. MILL CONSUMPTION OF MANUFACTURED FIBER,
COTTON & WOOL



GRAPH 3:
DOMESTIC CONSUMPTION DETAIL:
MANUFACTURED FIBER, COTTON & WOOL

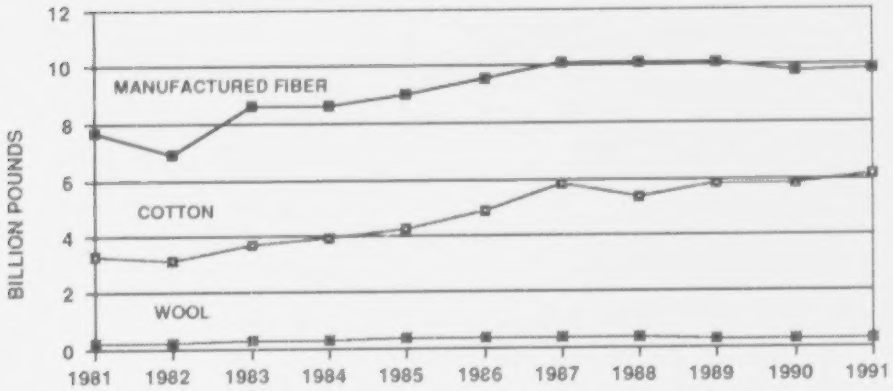


TABLE 5:
MANUFACTURED FIBER PRODUCTION
ANNUALLY 1962 - 1991
MILLION POUNDS

YEAR	ARTIFICIAL (CELLULOSIC)									SYNTHETIC (NONCELL.) FIBER c - g			TOTAL	NON-ADD TOTAL GLASS FIBER [h]
	RAYON YARN [a]			ACET YARN [b]	TOTAL YARN	STAPLE+TOW			TOTAL R+A					
	INDUS	TEXT	TOTAL			RAYON	ACET [b]	TOTAL		YARN	STAPLE	TOTAL		
1962	272.0	148.4	420.4	305.7	726.1	500.0	46.0	546.0	1272.1	627.4	345.5	972.9	2245.0	190.3
1963	246.0	154.2	400.2	309.5	709.7	579.1	60.0	639.1	1348.8	712.8	443.2	1156.0	2504.8	191.9
1964	258.2	153.4	411.6	365.9	777.5	594.3	60.0	654.3	1431.8	847.6	559.1	1406.7	2838.5	239.5
1965	264.6	169.2	433.8	391.2	825.0	648.0	54.0	702.0	1527.0	997.7	782.4	1780.1	3307.1	282.3
1966	235.8	169.7	405.5	394.3	799.8	659.2	60.0	719.2	1519.0	1164.7	918.1	2082.8	3601.8	332.4
1967	161.2	147.9	309.1	425.6	734.7	603.4	50.0	653.4	1388.1	1215.4	1137.9	2353.3	3741.4	308.8
1968	202.4	162.9	365.3	439.9	805.2	739.1	50.0	789.1	1594.3	1662.1	1567.3	3229.4	4823.7	402.7
1969	168.6	150.6	319.2	455.2	774.4	758.8	43.0	801.8	1576.2	1766.9	1761.0	3527.9	5104.1	501.4
1970	146.4	121.2	267.6	463.2	730.8	607.4	35.0	642.4	1373.2	1793.4	1792.8	3586.2	4959.4	467.3
1971	180.4	123.0	303.4	449.3	752.7	611.7	26.5	638.2	1390.9	2187.9	2104.9	4292.8	5683.7	468.2
1972	146.7	105.0	251.7	401.4	653.1	713.2	28.0	741.2	1394.3	2773.3	2582.4	5355.7	6750.0	571.6
1973	121.7	76.4	198.1	437.2	635.3	696.7	25.0	721.7	1357.0	3339.6	2969.8	6309.4	7666.4	688.0
1974	112.9	58.9	171.8	361.6	533.4	645.4	20.0	665.4	1198.8	3443.0	2780.6	6223.6	7422.4	682.9
1975	46.1	18.7	64.8	301.3	366.1	370.9	12.0	382.9	749.0	3208.9	2676.8	5885.7	6634.7	546.5
1976	52.3	15.3	67.6	286.9	354.5	475.4	11.0	486.4	840.9	3306.4	3320.2	6626.6	7467.5	676.0
1977	55.3	15.4	70.7	282.0	352.7	527.0	8.0	535.0	887.7	3674.1	3653.8	7327.9	8215.6	786.7
1978	47.0	15.0	62.0	300.9	362.9	534.6	7.0	541.6	904.5	3830.3	3952.7	7783.0	8687.5	923.3
1979	41.7	15.1	56.8	316.6	373.4	549.4	7.0	556.4	929.8	4154.3	4282.3	8436.6	9366.4	1014.4
1980	32.2	15.0	47.2	308.5	355.7	443.3	7.0	450.3	806.0	3744.3	4148.2	7892.5	8698.5	867.3
1981	33.4	15.1	48.5	257.0	305.5	460.6	4.0	464.6	770.1	3814.8	4191.1	8005.9	8776.0	1041.1
1982	20.8	12.4	33.2	195.2	228.4	355.0	1.0	356.0	584.4	3057.4	3402.5	6459.9	7044.3	899.2
1983	25.0	11.2	36.2	227.6	263.8	374.8	1.4	376.2	640.0	3567.8	3970.6	7538.4	8178.4	1167.2
1984	28.8	12.1	40.9	198.2	239.1	389.2	0.4	389.6	628.7	3524.4	3947.3	7471.7	8100.4	1394.0
1985	NA	NA	NA	NA	204.6	352.7	0.5	353.2	557.8	3790.2	3773.3	7563.5	8121.3	NA
1986	NA	NA	NA	NA	214.8	403.7	0.5	404.2	619.0	3835.9	3991.8	7827.7	8446.7	NA
1987	NA	NA	NA	NA	191.1	413.8	0.5	414.3	605.4	4009.7	4306.2	8315.9	8921.3	NA
1988	NA	NA	NA	NA	213.9	399.8	NA	399.8	613.7	4180.3	4345.6	8525.9	9139.6	NA
1989	NA	NA	NA	NA	217.5	362.8	NA	362.8	580.3	4225.5	4290.4	8515.9	9096.2	NA
1990	NA	NA	NA	NA	206.2	299.1	NA	299.1	505.3	4193.7	3990.8	8184.5	8689.8	NA
1991	NA	NA	NA	NA	213.2	273.3	NA	273.3	486.5	4282.2	3984.1	8266.3	8752.8	NA

See footnotes on opposite page.

TABLE 6:
SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION DETAIL

ANNUALLY 1962 - 1991
MILLION POUNDS

YEAR	YARN+MONOFILAMENTS				STAPLE+TOW+FIBERFILL				
	NYLON[c]	OLEFIN[d]	ESTER[e]	TOTAL	NYLON[c]	ACRYL[f]	ESTER[e]	OTHER[g]	TOTAL
1962	562.0	24.3	41.1	627.4	50.7	170.0	119.6	5.2	345.5
1963	630.0	30.3	52.5	712.8	61.5	209.7	166.6	5.4	443.2
1964	736.1	45.4	66.1	847.6	69.3	287.7	192.4	9.7	559.1
1965	846.1	65.6	86.0	997.7	93.7	368.4	305.2	15.1	782.4
1966	961.4	100.8	102.5	1164.7	118.7	352.9	409.3	37.2	918.1
1967	944.6	118.0	152.8	1215.4	124.6	397.7	568.1	47.5	1137.9
1968	1188.4	206.6	267.1	1662.1	162.1	521.0	827.3	56.9	1567.3
1969	1188.0	202.7	376.2	1766.9	223.2	533.0	938.8	66.0	1761.0
1970	1137.9	200.4	455.1	1793.4	216.8	491.9	1022.3	61.8	1792.8
1971	1237.9	261.8	688.2	2187.9	357.4	545.2	1142.5	59.8	2104.9
1972	1463.9	346.5	962.9	2773.3	510.6	625.9	1376.2	69.7	2582.4
1973	1582.8	423.8	1333.0	3339.6	591.9	742.1	1568.0	67.8	2969.8
1974	1560.0	463.1	1419.9	3443.0	563.7	631.2	1517.5	68.2	2780.5
1975	1295.4	442.9	1470.6	3208.9	561.9	524.6	1536.2	54.1	2676.8
1976	1372.5	515.7	1418.2	3306.4	702.7	621.0	1935.6	60.9	3320.2
1977	1512.4	554.1	1607.6	3674.1	813.7	708.8	2050.1	81.2	3653.8
1978	1654.0	596.6	1579.7	3830.3	895.9	725.7	2235.8	95.3	3952.7
1979	1781.6	639.1	1733.6	4154.3	938.8	761.1	2462.2	120.2	4282.3
1980	1631.1	632.2	1481.0	3744.3	726.6	779.2	2526.7	115.7	4148.2
1981	1580.7	642.9	1591.2	3814.8	751.8	690.8	2606.5	142.0	4191.1
1982	1241.6	585.2	1230.6	3057.4	685.0	624.1	1955.2	138.2	3402.5
1983	1492.2	716.1	1359.5	3567.8	926.4	670.5	2184.1	189.6	3970.6
1984	1577.3	747.1	1200.0	3524.4	834.8	670.8	2191.8	249.9	3947.3
1985	1514.8	954.5	1320.9	3790.2	827.7	630.8	2020.1	294.7	3773.3
1986	1605.5	1057.7	1172.7	3835.9	908.3	615.9	2132.3	335.3	3991.8
1987	1697.2	1133.8	1178.7	4009.7	992.4	591.5	2361.8	360.5	4306.2
1988	1727.5	1224.1	1228.7	4180.3	941.7	588.1	2451.8	364.0	4345.6
1989	1759.2	1257.2	1209.1	4225.5	980.8	542.7	2385.3	381.6	4290.4
1990	1671.9	1416.6	1105.2	4193.7	989.6	505.8	2089.9	405.5	3990.8
1991	1666.1	1408.2	1207.9	4282.2	868.8	453.9	2202.9	458.5	3984.1

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the March 1985 issue.

NA No longer available

a. Includes industrial (high tenacity) yarn and textile (regular+intermediate tenacity) yarn+monofilaments. Beginning January 1965, the high tenacity rayon yarn of 900 denier & finer is tabulated with regular tenacity yarn.

b. Includes diacetate and triacetate. The acetate staple+tow data do not include the quantities produced for cigarette filtration purposes.

c. Excludes aramid in 1983-1991.

d. Includes polypropylene yarn+monofilaments+spunbonded+film fiber and polyethylene monofilaments+film fiber.

e. Ester means polyester. Also includes other yarn which is chiefly saran and spandex through 1982.

f. Includes modacrylic.

g. Other staple+tow includes only olefin and vinyon for recent years. Vinyon is excluded in 1987-1991. Earlier years' data are on pages 8 & 9 of the January 1962 ORGANON Base Book issue and page 4 of the January-February 1971 issue.

h. Includes both textile and non-textile types of glass.

TABLE 7:
ARTIFICIAL (CELLULOSIC) MANUFACTURED FIBER DISTRIBUTION

ANNUALLY 1962 - 1991
MILLION POUNDS

YEAR	YARN+MONOFILAMENTS							STAPLE+TOW							TOTAL GLASS FIBER[h]				
	PRODUCERS' SHIPMENTS							PRODUCERS' SHIPMENTS							PRODUCERS' SHIPMENTS				
	TO DOM. CONSUMERS[a][b]							TO DOM. CONSUMERS											
	RAYON	ACET	TOTAL	EX-PORTS	TOTAL	IM-PORTS	MILL CONS	RAYON	ACET[b]	TOTAL	EX-PORTS	TOTAL	IM-PORTS	MILL CONS	DO-MESTIC	EX-PORTS	TOTAL	IM-PORTS	MILL CONS
1962	384.6	281.7	666.3	44.9	711.2	2.6	668.9	499.2	44.4	543.6	3.8	547.4	50.9	594.5	177.5	6.6	184.1	--	177.5
1963	380.7	305.0	685.7	39.7	725.4	1.7	687.4	578.8	57.5	636.3	4.9	641.2	116.5	752.8	182.0	8.5	190.5	--	182.0
1964	399.6	363.8	763.4	28.5	791.9	5.2	768.6	575.7	57.5	633.2	7.7	640.9	114.5	747.7	220.6	11.8	232.4	--	220.6
1965	409.3	366.4	775.7	22.1	797.8	6.8	782.5	636.3	54.4	690.7	8.4	699.1	77.2	767.9	268.2	18.7	286.9	--	268.2
1966	389.6	387.5	777.1	15.2	792.3	3.7	780.8	636.5	59.0	695.5	9.4	704.9	114.8	810.3	314.2	7.9	322.1	1.1	315.3
1967	311.1	421.0	732.1	18.2	750.3	7.7	739.8	625.9	49.5	675.4	4.3	679.7	85.0	760.4	302.7	8.2	310.9	1.0	303.7
1968	353.5	426.4	779.9	17.6	797.5	14.6	794.5	720.0	48.5	768.5	5.4	773.9	125.0	893.5	383.7	12.1	395.8	0.1	383.8
1969	294.7	444.7	739.4	16.0	755.4	4.1	743.5	737.9	42.3	780.2	5.0	785.2	91.2	871.4	460.4	17.7	478.1	0.1	460.5
1970	251.1	444.8	695.9	38.3	734.2	3.7	699.6	599.9	34.3	634.2	7.8	642.0	80.6	714.8	404.2	29.9	434.1	0.7	404.9
1971	297.0	432.3	729.3	33.2	762.5	5.2	734.5	643.6	26.2	669.8	3.7	673.5	81.3	751.1	464.9	17.4	482.3	1.8	466.7
1972	246.9	385.9	632.8	23.9	656.7	10.8	643.6	690.7	27.7	718.4	2.0	720.4	51.3	769.7	559.8	17.5	577.3	9.4	569.2
1973	197.6	392.3	589.9	60.7	650.6	18.1	608.0	709.5	25.0	734.5	14.7	749.2	47.4	781.9	663.0	36.5	699.5	13.0	676.0
1974	153.1	320.3	473.4	48.8	522.2	9.2	482.6	569.5	19.7	589.2	36.0	625.2	38.7	627.9	619.3	38.0	657.3	11.5	630.8
1975	74.9	293.7	368.6	32.9	401.5	9.2	377.8	373.4	12.0	385.4	20.2	405.6	37.9	423.3	524.6	18.3	542.9	8.9	533.5
1976	65.1	249.4	314.5	40.3	354.8	25.1	339.6	461.0	11.0	472.0	35.6	507.6	43.2	515.2	663.3	35.0	698.3	14.3	677.6
1977	68.1	259.4	327.5	25.2	352.7	23.5	351.0	444.9	8.0	452.9	62.3	515.2	57.8	510.7	769.3	28.9	798.2	22.0	791.3
1978	63.0	274.6	337.6	27.6	365.2	25.7	363.3	459.2	7.0	466.2	96.5	562.7	41.1	507.3	864.9	27.7	892.6	21.8	886.7
1979	55.0	288.4	343.4	31.8	375.2	13.3	356.7	442.4	7.0	449.4	100.1	549.5	16.5	465.9	912.2	48.3	960.5	10.4	922.6
1980	47.5	269.2	316.7	32.7	349.4	8.3	325.0	390.7	7.0	397.7	61.0	458.7	10.3	408.0	867.1	48.6	915.7	7.3	874.4
1981	46.6	226.3	272.9	34.8	307.7	10.7	283.6	396.9	4.0	400.9	59.8	460.7	16.8	417.7	963.8	35.2	999.0	18.2	982.0
1982	30.1	169.0	199.1	29.8	228.9	7.0	206.1	293.7	1.0	294.7	66.5	361.2	13.4	308.1	861.5	42.9	904.4	14.1	875.6
1983	35.5	197.6	233.1	28.2	261.3	8.7	241.8	333.5	1.4	334.9	43.9	378.8	13.6	348.5	1146.1	37.4	1183.5	20.0	1166.1
1984	38.2	180.1	218.3	18.2	236.5	10.0	228.3	331.9	0.4	332.3	52.1	384.4	17.0	349.3	1250.7	58.0	1308.7	23.1	1273.8
1985	NA	NA	187.1	23.0	210.1	13.9	201.0	323.7	0.5	324.2	35.0	359.2	12.3	336.5	NA	NA	1259.6	34.7	NA
1986	NA	NA	192.1	20.2	212.3	17.0	209.1	373.0	0.5	373.5	30.8	404.3	17.4	390.9	NA	NA	1339.3	23.7	NA
1987	NA	NA	166.8	24.9	191.7	12.8	179.6	383.1	0.5	383.6	32.4	416.0	13.8	397.4	NA	NA	1513.1	29.4	NA
1988	NA	NA	182.6	34.1	216.7	17.6	200.2	386.0	NA	386.0	20.5	406.5	20.4	406.4	NA	NA	1587.6	26.2	NA
1989	NA	NA	187.3	31.7	219.0	26.3	213.6	338.2	NA	338.2	16.2	354.4	54.0	392.2	NA	NA	1530.1	NA	NA
1990	NA	NA	172.7	34.0	206.7	24.2	196.9	291.7	NA	291.7	12.5	304.2	111.6	403.3	NA	NA	1519.1	NA	NA
1991	NA	NA	179.9	32.3	212.2	30.8	210.7	255.5	NA	255.5	8.1	263.6	92.0	347.5	NA	NA	1488.5	NA	NA

See footnotes on opposite page.

TABLE 8:
SYNTHETIC (NONCELLULOSIC) MANUFACTURED FIBER DISTRIBUTION
ANNUALLY 1962 - 1991
MILLION POUNDS

	YARN+MONOFILAMENTS								STAPLE+TOW+FIBERFILL								
	PRODUCERS' SHIPMENTS								PRODUCERS' SHIPMENTS								
	TO DOMESTIC CONSUMERS				EXPORTS	TOTAL	IMPORTS	DOMESTIC CONS	TO DOMESTIC CONSUMERS					EXPORTS	TOTAL	IMPORTS	DOMESTIC CONS
YEAR	NYLON[c]	OLEFIN[d]	ESTER[e]	TOTAL					NYLON[c]	ACRYL[f]	ESTER[e]	OTH[g]	TOTAL				
1962	503.1	22.5	38.1	563.7	41.1	604.8	7.0	570.7	47.5	147.1	115.3	3.6	313.5	20.3	333.8	13.9	327.4
1963	570.9	29.1	48.9	648.9	43.2	692.1	6.3	655.2	54.3	201.5	150.7	5.0	411.5	18.3	429.8	8.8	420.3
1964	685.9	44.2	63.6	793.7	62.8	856.5	3.7	797.4	68.3	263.2	177.5	8.6	517.6	34.1	551.7	19.2	536.8
1965	781.9	60.1	77.2	919.2	46.1	965.3	8.5	927.7	85.1	324.5	290.4	13.5	713.5	32.3	745.8	52.1	765.6
1966	880.0	94.6	94.8	1069.4	54.4	1123.8	12.5	1081.9	108.8	328.0	372.1	33.1	842.0	39.7	881.7	61.0	903.0
1967	907.4	116.1	144.8	1168.3	58.6	1226.9	16.4	1184.7	120.6	371.2	537.2	40.5	1069.5	60.3	1129.8	63.2	1132.7
1968	1085.8	199.0	237.2	1522.0	84.5	1606.5	33.7	1555.7	157.2	467.1	756.1	52.4	1432.8	72.2	1505.0	89.8	1522.6
1969	1063.4	188.6	364.5	1616.5	84.9	1701.4	32.5	1649.0	202.7	473.4	883.3	61.7	1621.1	100.3	1721.4	67.5	1688.6
1970	1052.6	187.0	443.0	1682.6	82.3	1764.9	120.8	1803.4	201.2	430.7	992.9	57.3	1682.1	108.6	1790.7	57.7	1739.8
1971	1206.7	246.5	646.9	2100.1	78.5	2178.6	234.4	2334.5	330.1	463.7	1111.4	58.9	1964.1	130.5	2094.6	93.3	2057.4
1972	1430.6	312.4	946.8	2689.8	87.4	2777.2	224.5	2914.3	476.6	536.0	1286.9	63.6	2363.1	174.1	2537.2	103.7	2466.8
1973	1544.7	395.4	1333.6	3273.7	127.4	3401.1	140.1	3413.8	586.8	662.0	1530.3	69.3	2848.4	233.0	3081.4	112.8	2961.2
1974	1408.8	426.3	1307.2	3142.3	140.6	3282.9	92.1	3234.4	487.8	514.9	1388.1	59.7	2450.5	195.3	2645.8	73.2	2523.7
1975	1289.7	436.1	1489.0	3214.8	104.5	3319.3	53.8	3268.6	557.9	467.3	1473.6	54.7	2553.5	209.9	2763.4	55.2	2608.7
1976	1279.3	482.0	1385.9	3147.2	138.5	3285.7	64.0	3211.2	665.4	517.3	1777.2	58.6	3018.5	247.4	3265.9	67.3	3085.8
1977	1396.2	539.6	1525.6	3461.4	159.0	3620.4	92.5	3553.9	791.7	619.8	1880.3	81.3	3373.1	270.0	3643.1	52.9	3426.0
1978	1539.1	579.7	1523.1	3641.9	197.5	3839.4	52.2	3694.1	876.4	571.6	1967.5	90.0	3505.5	411.4	3916.9	60.5	3566.0
1979	1631.3	624.2	1542.1	3797.6	319.3	4116.9	20.0	3817.6	913.2	546.6	2134.4	119.3	3713.5	593.2	4306.7	39.3	3752.8
1980	1538.9	611.7	1381.4	3532.0	301.8	3833.8	19.6	3551.6	711.2	585.3	2071.0	115.0	3482.5	689.8	4172.3	35.6	3518.1
1981	1404.3	628.3	1450.5	3483.1	282.5	3765.6	18.9	3502.0	696.4	494.1	2005.4	132.0	3327.9	820.4	4148.3	60.5	3388.4
1982	1165.6	577.0	1151.3	2893.9	220.2	3114.1	23.8	2917.7	673.3	457.9	1767.5	138.9	3037.6	369.9	3407.5	51.2	3088.8
1983	1392.4	698.6	1294.4	3385.4	187.3	3572.7	48.3	3433.7	897.1	492.2	2099.2	183.4	3671.9	281.5	3953.4	101.4	3773.3
1984	1438.1	725.6	1144.9	3308.6	189.0	3497.6	90.0	3398.6	814.4	446.7	1992.2	240.9	3494.2	442.4	3936.6	131.1	3625.3
1985	1417.4	937.6	1204.2	3559.2	240.2	3799.4	104.6	3663.8	830.3	458.7	1872.7	279.7	3441.4	372.8	3814.2	159.4	3600.8
1986	1479.6	1049.2	1092.4	3621.2	200.6	3821.8	126.1	3747.3	894.9	531.2	1998.6	312.7	3737.4	239.8	3977.2	182.8	3920.2
1987	1554.3	1135.5	1113.4	3803.2	214.7	4017.9	123.9	3927.1	966.0	479.3	2201.0	341.1	3987.4	325.6	4313.0	189.0	4176.4
1988	1572.4	1199.8	1157.4	3929.6	260.5	4190.1	116.3	4045.9	944.9	421.1	2311.8	344.2	4022.0	344.8	4366.8	196.2	4218.2
1989	1575.3	1226.0	1110.7	3912.0	237.9	4149.9	182.2	4094.2	955.3	414.8	2261.3	363.4	3994.8	253.3	4248.1	192.4	4187.2
1990	1537.5	1404.9	1046.2	3988.6	265.1	4253.7	154.7	4143.3	950.2	352.2	2015.4	387.9	3705.7	278.9	3984.6	209.8	3915.5
1991	1493.9	1380.6	1114.0	3988.5	246.9	4235.4	174.8	4163.3	835.0	319.2	2127.9	437.5	3719.6	277.8	3997.4	263.1	3982.7

NA No longer available

Domestic consumption (CONS) means the sum of fiber producers' domestic shipments and general imports

General imports (IMPORTS): yarn+monofil includes yarn singles, monofilaments & strips; staple+tow includes grouped filaments. Not included here are plied, spun & handwork yarns, sewing thread, sliver,tops & roving waste

a - h. See these lettered footnotes on page 51

Synthetic (noncellulosic) data from 1940 are on page 5 of the January - February 1971 issue
Rayon+acetate data from 1911 are on page 9 of the January 1962 ***Organon*** Base Book

TABLE 9:
U.S. MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF PRODUCTS
MILLION POUNDS & *PERCENT*

	MANUFACTURED FIBER MILL CONSUMPTION=PRODUCERS' SHIPMENTS (DOM) PLUS IMPORTS FOR CONSUMPTION (IMP)																					
	ARTIFICIAL (CELLULOSIC) FIBER											SYNTHETIC (NONCELLULOSIC) FIBER										
	YARN+MONOFIL			STAPLE+TOW			WASTE					YARN+MONOFIL			STAPLE+TOW			WASTE				
YEAR	DOM	IMP	TOTAL	DOM	IMP	TOTAL	SHIP	IMP	EXP	NET	TOTAL	DOM	IMP	TOTAL	DOM	IMP	TOTAL	SHIP	IMP	EXP	NET	TOTAL
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
1977	327.5	23.5	351.0	452.9	57.8	510.7	18.5	0.6	12.6	6.5	868.2	3461.4	92.5	3553.9	3373.1	52.9	3426.0	291.0	23.2	66.1	248.1	7228.0
1978	337.6	25.7	363.3	466.2	41.1	507.3	15.7	0.4	7.0	9.1	879.7	3641.9	52.2	3694.1	3505.5	60.5	3566.0	263.9	26.0	88.7	201.2	7461.3
1979	343.4	13.3	356.7	449.4	16.5	465.9	17.2	0.8	9.6	8.4	831.0	3797.6	20.0	3817.6	3713.5	39.3	3752.8	238.6	21.1	137.7	122.0	7692.4
1980	316.7	8.3	325.0	397.7	10.3	408.0	13.5	0.3	6.1	7.7	740.7	3532.0	19.6	3551.6	3482.5	35.6	3518.1	170.2	21.5	116.4	75.3	7145.0
1981	272.9	10.7	283.6	400.9	16.8	417.7	15.3	0.5	2.8	13.0	714.3	3483.1	18.9	3502.0	3327.9	60.5	3388.4	174.2	49.9	107.3	116.8	7007.2
1982	199.1	7.0	206.1	294.7	13.4	308.1	10.7	0.4	3.2	7.9	522.1	2893.9	23.8	2917.7	3037.6	51.2	3088.8	173.2	37.8	86.1	124.9	6131.4
1983	233.1	8.7	241.8	334.9	13.6	348.5	9.4	0.3	1.4	8.3	598.6	3385.4	48.3	3433.7	3671.9	101.4	3773.3	214.1	46.1	71.3	188.9	7395.9
1984	218.3	10.0	228.3	332.3	17.0	349.3	11.4	0.5	1.6	10.3	587.9	3308.6	90.0	3398.6	3494.2	131.1	3625.3	216.9	50.5	89.7	177.7	7201.6
1985	187.1	13.9	201.0	324.2	12.3	336.5	8.8	0.5	1.2	8.1	545.6	3559.2	104.6	3663.8	3441.4	159.4	3600.8	260.2	40.7	75.6	225.3	7489.9
1986	192.1	17.0	209.1	373.5	17.4	390.9	10.4	0.1	2.2	8.3	608.3	3621.2	126.1	3747.3	3737.4	182.8	3920.2	261.5	40.3	123.7	178.1	7845.6
1987	166.8	12.8	179.6	383.6	13.8	397.4	9.6	0.1	1.1	8.6	585.6	3803.2	123.9	3927.1	3987.4	189.0	4176.4	239.1	47.0	113.5	172.6	8276.1
1988	182.6	17.6	200.2	386.0	20.4	406.4	7.8	+	2.0	5.8	612.4	3929.6	116.3	4045.9	4022.0	196.2	4218.2	244.8	40.5	144.4	140.9	8405.0
1989	187.3	26.3	213.6	338.2	54.0	392.2	6.0	0.6	11.6	-5.0	600.8	3912.0	182.2	4094.2	3994.8	192.4	4187.2	220.8	48.0	141.4	127.4	8408.8
1990	172.7	24.2	196.9	291.7	111.6	403.3	4.4	0.5	6.2	-1.3	598.9	3988.6	154.7	4143.3	3705.7	209.8	3915.5	260.1	54.5	135.3	179.3	8238.1
1991	179.9	30.8	210.7	255.5	92.0	347.5	4.9	1.9	8.5	-1.7	556.5	3988.5	174.8	4163.3	3719.6	263.1	3982.7	277.3	40.3	152.5	165.1	8311.1

Continued on opposite page

TABLE 9:
U.S. MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF PRODUCTS *(CONTINUED)*
MILLION POUNDS & *PERCENT*

	MILL CONSUMPTION OF 4 FIBERS										DOMESTIC CONSUMPTION OF 3 FIBERS (CONS)=MILL CONSUMPTION+IMPORTS (IMP) LESS EXPORTS (EXP) OF SEMIMANUFACTURED & MANUFACTURED PRODUCTS											
YEAR	MANUFACTURED FIBER		COTTON		WOOL		SILK		TOTAL		MANUFAC. FIBER			COTTON			WOOL			TOTAL		
	LB	%	LB	%	LB	%	LB	%	LB	%	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS
	(23)		(24)		(25)		(26)		(27)		(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)
1977	8096.2	*71.0*	3169.8	*27.8*	133.9	*1.2*	1.6	--	11401.5	*100.0*	530.7	367.7	8259.2	669.4	369.5	3469.7	85.9	11.5	208.3	1286.0	748.7	11938.8
1978	8341.0	*72.4*	3040.4	*26.4*	141.6	*1.2*	2.0	--	11525.0	*100.0*	642.6	441.7	8541.9	845.4	355.7	3530.1	92.2	11.6	222.2	1580.2	809.0	12296.2
1979	8523.4	*72.7*	3066.4	*26.2*	134.4	*1.1*	1.5	--	11725.7	*100.0*	525.0	596.6	8451.8	746.1	478.0	3334.5	80.6	14.0	201.0	1351.7	1088.6	11988.8
1980	7885.7	*71.2*	3064.4	*27.6*	137.8	*1.2*	1.0	--	11088.9	*100.0*	540.6	771.5	7654.8	810.9	523.1	3352.2	85.1	23.8	199.1	1436.6	1318.4	11207.1
1981	7721.5	*72.9*	2730.8	*25.7*	152.7	*1.4*	2.0	--	10607.0	*100.0*	639.1	637.7	7722.9	961.9	367.3	3325.4	93.1	11.8	234.0	1694.1	1016.8	11284.3
1982	6653.5	*71.8*	2478.9	*26.8*	129.5	*1.4*	2.0	--	9263.9	*100.0*	697.9	438.5	6912.9	897.2	253.4	3122.7	100.1	10.8	218.8	1695.2	702.7	10256.4
1983	7994.5	*73.0*	2795.7	*25.5*	162.5	*1.5*	1.6	--	10954.3	*100.0*	1069.5	460.7	8603.3	1135.5	219.6	3711.6	131.9	9.9	284.5	2336.9	690.2	12601.0
1984	7789.5	*73.4*	2668.2	*25.1*	163.2	*1.5*	1.4	--	10622.3	*100.0*	1342.6	487.9	8644.2	1465.6	206.1	3927.7	190.1	9.6	343.7	2998.3	703.6	12917.0
1985	8035.5	*73.3*	2796.0	*25.5*	134.7	*1.2*	1.5	--	10967.7	*100.0*	1491.0	499.1	9027.4	1629.2	213.2	4212.0	250.2	15.9	369.0	3370.4	728.2	13609.9
1986	8453.9	*70.9*	3301.7	*27.7*	164.5	*1.4*	1.0	--	11921.1	*100.0*	1703.0	519.3	9637.6	1910.5	274.8	4937.4	260.5	14.2	410.8	3874.0	808.3	14986.8
1987	8861.7	*69.4*	3736.5	*29.3*	167.6	*1.3*	1.0	--	12766.8	*100.0*	1805.4	591.9	10075.2	2335.7	298.0	5774.2	258.3	21.3	404.6	4399.4	911.2	16255.0
1988	9017.4	*71.4*	3470.1	*27.4*	156.1	*1.2*	1.0	--	12644.6	*100.0*	1735.7	684.6	10068.5	2118.8	330.2	5258.7	230.5	27.8	358.8	4085.0	1042.6	15687.0
1989	9009.6	*68.6*	3985.9	*30.3*	139.6	*1.1*	1.0	--	13136.1	*100.0*	*1820.0	*740.0	*10089.6	*2337.3	*504.2	*5819.0	*206.3	*61.3	*284.6	*4363.6	*1305.5	*16194.2
1990	8837.0	*67.9*	4036.5	*31.1*	135.4	*1.0*	1.0	--	13009.9	*100.0*	*1820.0	*820.0	*9837.0	*2402.9	*660.8	*5778.6	*195.8	*56.4	*274.8	*4418.7	*1537.2	*15891.4
1991	8867.6	*66.3*	4347.5	*32.5*	165.2	*1.2*	1.0	--	13381.3	*100.0*	*1907.0	*886.0	*9888.6	*2493.0	*702.0	*6138.5	*192.8	*58.5	*299.5	*4592.8	*1646.5	*16327.6

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the March 1985 issue.
This table, expanded to include the New MFA Fibers, will be reproduced in a forthcoming issue.

*** PRELIMINARY ESTIMATES DERIVED FROM *INCOMPLETE* DATA FROM THE DEPARTMENT OF AGRICULTURE.**

SOURCES OF DATA, ARRANGED BY COLUMN NUMBER ( ):

1 & 4: This issue on page 52
12 & 15: This issue on page 53
7 & 18: This issue on page 56
2: For 1977 - 1988: Import Classes 309.0310, .0610, .2000, 310.0106, .0130, .0206, .0230 & .0610
For 1989 - 1991: Import Classes 5403.10.30.20, 5403.10.30.40, 5403.10.60.00, 5403.20.30.00, 5403.20.60.00, 5403.31.00.20 - 5403.39.00.40, 5403.41.10.00 - 5403.49.00.00, 5405.00.30.00 & 5405.00.60.00
5: For 1977 - 1988: Import Classes 309.3010, .3310, .4320 & .4325
For 1989 - 1991: Import Classes 5504.10.00.00, 5504.90.00.00, 5502.00.00.00 & 5507.00.00.00
8: For 1977 - 1988: Import Classes 309.6615 & .7510
For 1989 - 1991: Import Class 5505.20.00.00
9: For 1977 - 1988: Export Class 309.7400
For 1989 - 1991: Export Class 5505.20.00.00
13: For 1977 - 1988: Import Classes 309.0200, .0330, .0340, .0365, .0500, .0630, .0640, .0665, .2100, .2500, 310.0107, .0108, .0110, .0114, .0149, .0150, .0170, .0207, .0208, .0210, .0214, .0249, .0250, .0270, .0550, .0630 & .0650
For 1989 - 1991: Import Classes 5402.10.30.20, 5402.10.30.40, 5402.10.60.00, 5402.31.30.00, 5402.31.60.00, 5402.32.30.00, 5402.32.60.00, 5402.41.00.10, 5402.41.00.30, 5402.41.00.40, 5402.51.00.00, 5402.61.00.00, 5404.10.20.20, 5402.20.30.20, 5402.20.30.40, 5402.20.60.00, 5402.33.30.00, 5402.33.60.00, 5402.42.00.00, 5402.43.00.20, 5402.43.00.40, 5402.52.00.00, 5402.62.00.00, 5404.10.20.40, 5402.39.30.10, 5402.39.30.90, 5402.39.60.10, 5402.39.60.90, 5402.49.00.10, 5402.49.00.50, 5402.49.00.70, 5402.49.00.80, 5402.59.00.00, 5402.69.00.00, 5404.10.10.00, 5404.10.20.90 & 5404.90.00.00
16: For 1977 - 1988: Import Classes 309.3030, .3040, .3050, .3065, .3200, .3340, .3350, .3365, .4331, .4336, .4341, .4351, .4361, .4366, .4371 & .4390
For 1989 - 1991: Import Classes 5503.10.00.00, 5503.20.00.00, 5503.30.00.00, 5503.40.00.00, 5503.90.00.00, 5501.10.00.00, 5501.20.00.00, 5501.30.00.00, 5501.90.00.00, 5506.10.00.00, 5506.20.00.00, 5506.30.00.00 & 5506.90.00.00
19: For 1977 - 1988: Import Classes 309.6625, .6630, .6645, .6660, .7000 & .7525 - .7555
For 1989 - 1991: Import Classes 5505.10.00.20, 5505.10.00.40 & 5505.10.00.60
20: For 1977 - 1988: Export Classes 309.7620, .7630, .7640 & .7660.
For 1989 - 1991: Export Classes 5505.10.00.20, 5505.10.00.40 & 5505.10.00.60
24: U.S. Census Bureau Report MQ22P
25: U.S. Census Bureau Report MQ22D
26: For 1977 - 1988: Import Classes 308.0220 - .2000
28, 29, 31, 32, 34 & 35: U.S. Department of Agriculture, *Cotton and Wool Situation and Outlook Report*

CERTAIN TOTALS IN THE TABLES:
(Obvious totals such as Columns 1+2=3, 4+5=6, etc. are not described here.)
10: Columns 7+8-9
21: Columns 18+19-20
23: Columns 11+22
30: Columns 23+28-29
33: Columns 24+31-32
36: Columns 25+34-35

TABLE 10:
PRODUCERS' WASTE SHIPMENTS
MILLION POUNDS

YEAR	RAYON	SYNTHETIC (NONCELL.)
1965	51.5	55.2
1966	44.6	66.5
1967	36.1	92.8
1968	44.3	122.3
1969	39.4	140.3
1970	34.5	136.3
1971	36.3	157.8
1972	38.5	202.7
1973	36.8	274.8
1974	29.9	246.4
1975	13.2	228.7
1976	14.7	262.3
1977	18.5	291.0
1978	15.7	263.9
1979	17.2	238.6
1980	13.5	170.2
1981	15.3	174.2
1982	10.7	173.2
1983	9.4	214.1
1984	11.4	216.9
1985	8.8	260.2
1986	10.4	261.5
1987	9.6	239.1
1988	7.8	244.8
1989	6.0	220.8
1990	4.4	260.1
1991	4.9	277.3

TABLE 11:
RAW COTTON CONSUMPTION
BALES[a]

MONTH	1983	1984	1985	1986	1987	1988	1989	1990	1991[b]
JANUARY	404	469	389	595	546	568	568	605	2068
FEBRUARY	430	447	405	499	562	590	584	633	
MARCH	549	547	504	492	734	738	751	794	
APRIL	431	430	406	620	573	556	623	624	2212
MAY	441	442	426	503	586	551	645	641	
JUNE	543	501	521	489	708	662	798	826	
JULY	369	354	366	522	518	433	559	560	2215
AUGUST	453	415	458	534	614	563	680	680	
SEPTEMBER	560	494	562	523	753	676	828	835	
OCTOBER	459	415	493	683	621	538	664	671	2199
NOVEMBER	446	382	477	529	606	509	617	610	
DECEMBER	468	408	480	568	610	554	653	601	
TOTAL	**5553**	**5304**	**5487**	**6557**	**7431**	**6938**	**7970**	**8080**	**8694**

SOURCE: U.S. Department of Commerce, Bureau of the Census Report M22P.

a. Running Bales of 500 lbs net.
b. 1991 data available on a quarterly basis only.

TABLE 12:
RAW SILK DELIVERIES
BALES[a]

MONTH	1983	1984	1985	1986	1987	1988	1989	1990	1991
JANUARY	280	715	462	410	411	292	358	455	124
FEBRUARY	506	537	689	504	680	430	234	352	126
MARCH	390	455	344	197	572	559	471	387	206
APRIL	462	315	480	244	526	317	329	158	187
MAY	717	636	415	225	245	302	405	342	100
JUNE	377	655	NA	227	447	189	564	150	250
JULY	264	229	NA	555	253	203	353	248	445
AUGUST	474	672	NA	NA	327	613	401	53	305
SEPTEMBER	534	532	NA	NA	330	310	288	49	220
OCTOBER	529	562	NA	NA	470	126	317	103	345
NOVEMBER	587	391	NA	NA	239	367	475	152	325
DECEMBER	324	538	NA	NA	448	108	442	139	351
TOTAL	**5444**	**6237**	**4813**	**4272**	**4948**	**3816**	**4637**	**2588**	**2984**

SOURCE: International Silk Association.
NA Monthly data not available.

a. Average Bale weight 132 lbs.

TABLE 13:
U.S. MANUFACTURED FIBER IMPORTS[a]
THOUSAND POUNDS

	1992												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	748												748	311
TEXTURED	0												0	0
OTHER	2637												2637	1845
MONOFILAMENTS & STRIPS	11												11	1
SUBTOTAL ABOVE	**3396**												**3396**	**2157**
STAPLE	11373												11373	8891
TOW	103												103	626
TOPS	0												0	0
SUBTOTAL ABOVE	**11476**												**11476**	**9517**
WASTE	**0**												**0**	**87**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	913												913	1173
TEXTURED														
UP TO 450 DENIER	411												411	198
OVER 450 DENIER	3249												3249	1197
POY	2498												2498	2103
OTHER	2245												2245	834
MONOFILAMENTS & STRIPS	172												172	150
SUBTOTAL ABOVE	**9488**												**9488**	**5655**
POLYESTER														
HIGH TENACITY	1142												1142	735
TEXTURED	630												630	833
POY	728												728	207
OTHER	1229												1229	1548
MONOFILAMENTS & STRIPS	38												38	41
SUBTOTAL ABOVE	**3767**												**3767**	**3414**
OTHER SYNTHETIC FILAMENT														
TEXTURED	212												212	248
OTHER	1496												1496	841
MONOFILAMENTS & STRIPS	804												804	532
SUBTOTAL ABOVE	**2512**												**2512**	**1621**
STAPLE														
NYLON	2554												2554	1879
POLYESTER	14654												14654	14049
ACRYLIC	1607												1607	853
POLYPROPYLENE	168												168	134
OTHER	242												242	276
TOW														
NYLON	701												701	591
POLYESTER	35												35	35
ACRYLIC	2009												2009	2869
OTHER	0												0	16
TOPS	757												757	149
SUBTOTAL ABOVE	**22727**												**22727**	**20851**
WASTE														
NYLON	791												791	2030
POLYESTER	1022												1022	2217
OTHER	606												606	309
TOTAL MANUFACTURED-FIBERS ABOVE	**55785**												**55785**	**47858**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	251												251	49
SPUN YARN	318												318	579
SPUN YARNS														
SYNTHETIC	904												904	431
ARTIFICIAL	0												0	0
PUT UP FOR RETAIL SALE	48												48	67
GRAND TOTAL ABOVE	**57306**												**57306**	**48984**

SOURCE: U.S. Census Bureau Report IM145X

[a] U.S. General Imports.

TABLE 14:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	1992 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1992	1991
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	13												13	134
TEXTURED	7												7	65
OTHER	247												247	211
MONOFILAMENTS & STRIPS	19												19	2
SUBTOTAL ABOVE	**286**												**286**	**412**
STAPLE	1371												1371	970
TOPS	1910												1910	0
SUBTOTAL ABOVE	**3281**												**3281**	**970**
WASTE	**229**												**229**	**527**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	4619												4619	8070
TEXTURED														
UP TO 450 DENIER	923												923	1068
OVER 450 DENIER	6214												6214	4023
POY	52												52	61
OTHER	3119												3119	3060
MONOFILAMENTS & STRIPS	29												29	34
SUBTOTAL ABOVE	**14956**												**14956**	**16316**
POLYESTER														
HIGH TENACITY	4556												4556	5640
TEXTURED	5546												5546	5014
POY	884												884	657
OTHER	629												629	2391
MONOFILAMENTS & STRIPS	113												113	138
SUBTOTAL ABOVE	**11728**												**11728**	**13840**
OTHER SYNTHETIC FILAMENT														
TEXTURED	596												596	603
OTHER	1569												1569	2963
MONOFILAMENTS & STRIPS	967												967	1050
SUBTOTAL ABOVE	**3132**												**3132**	**4616**
STAPLE														
NYLON	2465												2465	2146
POLYESTER	7763												7763	6379
ACRYLIC	1251												1251	2431
POLYPROPYLENE	3041												3041	3302
OTHER	454												454	1489
TOW														
NYLON	340												340	253
POLYESTER	108												108	58
ACRYLIC	556												556	1511
OTHER	1												1	14
TOPS	9392												9392	11009
SUBTOTAL ABOVE	**25371**												**25371**	**28592**
WASTE														
NYLON	2800												2800	2788
POLYESTER	3787												3787	2989
OTHER	6168												6168	6305
TOTAL MANUFACTURED FIBERS ABOVE	**71738**												**71738**	**77355**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	610												610	827
SPUN YARN	278												278	159
SPUN YARNS														
SYNTHETIC	2038												2038	891
ARTIFICIAL	526												526	123
PUT UP FOR RETAIL SALE	2727												2727	1488
GRAND TOTAL ABOVE	**77917**												**77917**	**80843**

SOURCE: U.S. Census Bureau Report EM522

TABLE 15:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1992												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	157												157	123
BELGIUM	100												100	3
BRAZIL	54												54	109
CANADA	1201												1201	775
CHILE	0												0	44
WEST GERMANY	694												694	478
JAPAN	176												176	111
MEXICO	107												107	150
NETHERLANDS	516												516	263
UNITED KINGDOM	383												383	86
ALL OTHER COUNTRIES [a]	8												8	15
TOTAL ARTIFICIAL YARN	**3396**												**3396**	**2157**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	1567												1567	1339
CANADA	4675												4675	3228
CHINA, PRC	0												0	321
FINLAND	424												424	309
WEST GERMANY	41												41	515
JAPAN	85												85	84
TAIWAN	220												220	1336
THAILAND	189												189	763
UNITED KINGDOM	702												702	815
YUGOSLAVIA	298												298	584
ALL OTHER COUNTRIES [b]	3275												3275	223
TOTAL ARTIFICIAL STAPLE+TOW	**11476**												**11476**	**9517**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	3												3	239
BRAZIL	0												0	0
CANADA	4980												4980	2668
COSTA RICA	485												485	725
ECUADOR	0												0	0
FRANCE	1128												1128	627
WEST GERMANY	1433												1433	1556
IRELAND	78												78	147
ISRAEL	294												294	50
ITALY	209												209	106
JAPAN	1687												1687	853
KOREA, REP. OF	179												179	117
MEXICO	1047												1047	1414
NETHERLANDS	412												412	223
TAIWAN	680												680	89
THAILAND	107												107	61
UNITED KINGDOM	2218												2218	1740
ALL OTHER COUNTRIES [c]	827												827	75
TOTAL SYNTHETIC YARN	**15767**												**15767**	**10690**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	22												22	15
AUSTRALIA	31												31	75
BRAZIL	2												2	0
CANADA	3647												3647	1378
FRANCE	551												551	544
WEST GERMANY	1983												1983	1136
INDIA	93												93	3008
IRELAND	468												468	0
ITALY	291												291	176
JAPAN	2185												2185	2386
KOREA, REP. OF	4674												4674	4958
MALAYSIA	88												88	0
MEXICO	1981												1981	1957
SPAIN	62												62	14
SWITZERLAND	364												364	117
TAIWAN	4520												4520	3102
TURKEY	127												127	0
UNITED KINGDOM	1444												1444	1848
ALL OTHER COUNTRIES [d]	194												194	137
TOTAL SYNTHETIC STAPLE+TOW	**22727**												**22727**	**20851**

a. Uruguay 3, France 2, Italy 2, China, PRC 1.

b. Korea, Rep. of 2792, Spain 287, Sweden 112, Belgium 44, Czechoslovakia 40.

c. South Africa 543, Portugal 160, Switzerland 49, Australia 25, Spain 20, Turkey 16, Hong Kong 8, Sweden 3, China, PRC 2, Argentina 1.

d. Israel 55, Hong Kong 44, Colombia 41, Denmark 36, USSR 15, China, PRC 2, Netherlands 1.

TABLE 16:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1991 - REVISED												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
	MANUFACTURED FIBER TOTAL SHIPMENTS[b,c]													
ARTIFICIAL (CELLULOSIC)														
YARN	14.8	16.4	16.2	20.3	18.0	17.7	19.0	17.4	17.7	19.4	16.0	19.3	212.2	206.7
RAYON STAPLE	20.4	16.2	22.1	21.4	25.7	22.7	24.1	24.7	22.1	23.2	20.7	20.3	263.6	304.2
TOTAL ARTIFICIAL (CELLULOSIC)	**35.2**	**32.6**	**38.3**	**41.7**	**43.7**	**40.4**	**43.1**	**42.1**	**39.8**	**42.6**	**36.7**	**39.6**	**475.8**	**510.9**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	29.2	28.1	26.5	27.9	28.6	24.4	22.8	25.5	26.3	27.9	23.6	23.5	314.3	341.2
- CARPET	69.4	54.5	63.8	80.3	85.8	80.4	85.6	92.0	90.9	91.0	70.8	72.1	936.6	986.0
- TEXTILE	34.2	30.0	28.8	32.9	33.0	28.6	31.6	32.6	32.6	36.2	31.3	31.3	383.1	369.1
POLYESTER - INDUSTRIAL[d]	25.0	27.0	26.5	29.1	29.0	29.1	26.6	28.9	26.9	32.4	28.3	26.9	335.7	360.9
- TEXTILE[f]	67.9	61.5	64.4	75.9	74.4	68.5	75.9	74.3	72.5	82.9	72.1	70.5	860.8	770.2
OLEFIN[e]	103.4	104.4	109.4	119.2	121.1	121.1	114.9	125.0	126.6	126.6	119.7	113.5	1404.9	1426.3
TOTAL YARN	**329.1**	**305.5**	**319.4**	**365.3**	**371.9**	**352.1**	**357.4**	**378.3**	**375.8**	**397.0**	**345.8**	**337.8**	**4235.4**	**4253.7**
STAPLE+TOW+FIBERFILL														
NYLON	66.8	54.7	64.1	78.1	77.8	70.7	76.2	84.1	79.9	81.5	62.5	66.1	862.5	974.7
ACRYLIC+MODACRYLIC	36.5	34.8	35.5	34.2	37.5	42.0	33.1	40.0	37.0	45.0	36.5	35.0	447.1	500.6
POLYESTER	168.6	159.6	166.1	191.7	191.3	171.6	185.3	197.0	190.5	227.0	189.4	193.5	2231.6	2098.7
OLEFIN	34.7	30.9	34.6	38.5	40.7	37.5	38.1	44.0	38.5	44.1	41.5	33.1	456.2	410.6
TOTAL STAPLE	**306.6**	**280.0**	**300.3**	**342.5**	**347.3**	**321.8**	**332.7**	**365.1**	**345.9**	**397.6**	**329.9**	**327.7**	**3997.4**	**3984.6**
TOTAL SYNTHETIC (NONCELLULOSIC)	**635.7**	**585.5**	**619.7**	**707.8**	**719.2**	**673.9**	**690.1**	**743.4**	**721.7**	**794.6**	**675.7**	**665.5**	**8232.8**	**8238.3**
TOTAL MANUFACTURED FIBER	**670.9**	**618.1**	**658.0**	**749.5**	**762.9**	**714.3**	**733.2**	**785.5**	**761.5**	**837.2**	**712.4**	**705.1**	**8708.6**	**8749.2**
	MANUFACTURED FIBER END-OF-MONTH STOCK													
ARTIFICIAL (CELLULOSIC)														
YARN	10.2	9.6	10.0	9.6	9.4	9.4	9.6	9.4	9.8	9.9	10.3	10.4	10.4	9.4
RAYON STAPLE	22.4	27.3	26.0	26.6	23.9	24.9	25.9	24.8	23.7	23.2	24.9	27.0	27.0	17.3
TOTAL ARTIFICIAL (CELLULOSIC)	**32.6**	**36.9**	**36.0**	**36.2**	**33.3**	**34.3**	**35.5**	**34.2**	**33.5**	**33.1**	**35.2**	**37.4**	**37.4**	**26.7**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	25.0	23.9	24.7	26.9	26.1	28.2	30.8	29.7	31.0	31.6	29.6	32.1	32.1	24.4
- CARPET	72.0	80.6	77.6	66.3	58.5	58.4	59.9	52.1	47.1	50.3	64.3	80.7	80.7	57.8
- TEXTILE[f]	46.2	46.2	45.1	45.6	47.3	48.9	50.4	49.5	48.4	45.7	44.3	47.3	47.3	45.8
POLYESTER - INDUSTRIAL[d]	41.0	43.0	41.8	44.6	42.5	40.6	39.3	38.1	37.9	35.8	34.6	37.9	37.9	36.5
- TEXTILE[f]	86.4	93.4	93.9	90.5	90.7	91.7	92.2	86.1	89.3	83.6	82.1	93.3	93.3	83.3
OLEFIN[e]	61.5	59.7	61.1	59.8	56.4	53.3	53.4	53.7	56.1	57.9	59.9	59.7	59.7	56.4
TOTAL YARN	**332.1**	**346.8**	**344.2**	**333.7**	**321.5**	**321.1**	**326.0**	**309.2**	**309.8**	**304.9**	**314.8**	**351.0**	**351.0**	**304.2**
STAPLE+TOW+FIBERFILL														
NYLON	71.0	81.6	79.7	68.2	61.2	59.5	61.9	57.3	56.5	56.3	69.1	71.0	71.0	64.7
ACRYLIC+MODACRYLIC	73.4	72.4	67.9	72.1	74.9	70.6	78.0	79.3	80.3	77.7	78.0	78.5	78.5	71.7
POLYESTER	192.7	189.5	192.0	185.8	170.5	162.0	174.9	164.7	157.9	148.6	143.5	152.4	152.4	181.1
OLEFIN	29.8	30.0	31.5	33.3	30.1	30.1	30.2	26.0	26.5	26.5	28.9	31.8	31.8	29.5
TOTAL STAPLE	**366.9**	**373.5**	**371.1**	**359.4**	**336.7**	**322.2**	**345.0**	**327.3**	**321.2**	**309.1**	**319.5**	**333.7**	**333.7**	**347.0**
TOTAL SYNTHETIC (NONCELLULOSIC)	**699.0**	**720.3**	**715.3**	**693.1**	**658.2**	**643.3**	**671.0**	**636.5**	**631.0**	**614.0**	**634.3**	**684.7**	**684.7**	**651.2**
TOTAL MANUFACTURED FIBER	**731.6**	**757.2**	**751.3**	**729.3**	**691.5**	**677.6**	**706.5**	**670.7**	**664.5**	**647.1**	**669.5**	**722.1**	**722.1**	**677.9**

ITEM	COTTON & WOOL CONSUMPTION[g]				YEAR TO DATE[a]	
	1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER	1991	1990
RAW COTTON	**1032.9**	**1109.5**	**1108.3**	**1096.8**	**4347.5**	**4036.5**
APPAREL CLASS WOOL	35.5	40.6	37.4	37.3	150.8	121.9
CARPET CLASS WOOL	3.1	3.1	4.6	3.6	14.4	13.5
TOTAL RAW WOOL	**38.6**	**43.7**	**42.0**	**40.9**	**165.2**	**135.4**

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a. "Year to date" totals for stock, are the latest month's figures.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic shipments plus export shipments.

d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

f. Includes low denier industrial yarn.

g. **Cotton and Wool data for 1991 available on a quarterly basis only.**

TABLE 17:
FILAMENT YARN DOMESTIC SHIPMENTS [a]

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1990				1991			
		1988	1989	1990	1991	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY [b]	N	100.3	j	j	j	j	j	j	j	j	j	j	j
OTHER CIRCULAR KNIT [c]	N	26.4	139.1	128.1	136.0	29.8	34.7	29.8	33.8	34.1	33.9	31.8	36.2
	P	119.5	132.4	129.8	146.9	28.0	31.6	34.0	36.2	27.1	31.2	40.7	47.9
	C	0.6	0.5	0.8	0.8	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
FLAT KNIT	C	24.3	21.4	15.0	12.3	5.1	4.5	2.9	2.5	3.7	4.5	2.2	1.9
	N	133.4	125.2	103.7	106.9	23.3	26.2	27.7	26.5	25.3	24.6	28.8	28.2
	P	162.1	181.0	142.7	169.8	33.6	38.7	35.4	35.0	37.4	42.6	43.8	46.0
CARPET FACE	N	938.3	932.3	948.7	894.7	239.6	232.1	232.6	244.4	177.4	236.6	258.1	222.6
	O	266.6	249.9	360.4	420.8	84.7	89.5	95.5	90.7	90.4	107.4	112.2	110.8
CARPET BACKING [d]	O	427.0	463.4	447.5	413.3	116.7	117.3	111.3	102.2	96.5	102.7	109.5	104.6
OTHER BROAD WOVEN [e]	C	141.9	149.4	152.9	165.8	33.8	37.0	41.5	40.6	34.4	42.8	43.7	44.9
	N	78.3	88.8	95.5	93.6	24.9	24.1	24.1	22.4	20.9	21.9	25.3	25.5
	P	391.3	360.7	353.3	383.2	84.0	94.5	91.9	82.9	86.8	97.7	100.2	98.5
	O	337.3	337.5	415.0	387.4	91.1	111.8	109.2	102.9	84.1	102.7	102.3	98.3
NARROW WOVEN [f]	C	4.4	4.4	3.2	0.5	0.8	1.3	0.5	0.6	0.2	0.1	0.1	0.1
	N	42.0	36.9	35.7	38.3	8.2	8.8	9.3	9.4	9.9	10.4	8.9	9.1
	P	81.0	76.4	73.1	69.9	16.6	17.9	17.8	20.8	13.3	18.7	19.4	18.5
	O	19.0	19.8	17.3	17.9	3.9	4.4	4.7	4.3	3.9	4.7	4.7	4.6
TIRES, INCL. CHAFER [g]	N	132.2	135.7	128.2	121.2	31.0	32.8	32.4	32.0	34.5	30.5	28.5	27.7
	P	171.8	174.9	167.2	155.0	41.2	42.9	40.4	42.7	37.4	39.7	37.8	40.1
OTHER RUBBER INDUSTRY [c g]	N	20.4	18.1	19.1	19.7	5.0	4.6	4.3	5.2	5.1	4.7	4.8	5.1
	P	25.2	32.7	40.7	36.9	8.4	13.0	9.4	9.9	8.4	9.9	8.9	9.7
ROPE, CORDAGE & FISHLINE	N	36.4	34.2	39.2	36.1	9.5	9.3	9.9	10.5	8.8	9.9	9.0	8.4
	P	12.5	14.4	15.1	13.7	4.0	3.8	3.8	3.5	3.4	2.7	3.8	3.8
	O	120.3	125.6	120.8	101.0	28.6	30.6	25.2	36.4	26.3	26.1	22.3	26.3
ALL OTHER [h]	C	11.4	11.6	0.8	0.5	0.2	0.3	0.2	0.1	0.2	0.1	0.1	0.1
	N	64.7	65.0	39.3	47.4	11.2	10.6	7.7	9.8	11.1	14.2	12.5	9.6
	P	194.0	138.2	124.3	138.6	25.9	29.5	27.2	41.7	35.3	41.2	32.7	29.4
	O	29.6	29.8	43.9	40.2	10.8	11.8	10.6	10.7	10.8	9.4	10.3	9.7
TOTAL ABOVE	**C**	**182.6**	**187.3**	**172.7**	**179.9**	**40.1**	**43.3**	**45.3**	**44.0**	**38.7**	**47.7**	**46.3**	**47.2**
	N	**1572.4**	**1575.3**	**1537.5**	**1493.9**	**382.5**	**383.2**	**377.8**	**394.0**	**327.1**	**386.7**	**407.7**	**372.4**
	P	**1157.4**	**1110.7**	**1046.2**	**1114.0**	**241.7**	**271.9**	**259.9**	**272.7**	**249.1**	**283.7**	**287.3**	**293.9**
	O	**1199.8**	**1226.0**	**1404.9**	**1380.6**	**335.8**	**365.4**	**356.5**	**347.2**	**312.0**	**353.0**	**361.3**	**354.3**
TOTAL DOMESTIC		**4112.2**	**4099.3**	**4161.3**	**4168.4**	**1000.1**	**1063.8**	**1039.5**	**1057.9**	**926.9**	**1071.1**	**1102.6**	**1067.8**
ALSO DIVIDED AS													
APPAREL		*941.2*	*924.7*	*846.7*	*950.5*	*191.6*	*216.6*	*210.8*	*227.7*	*217.1*	*239.9*	*241.2*	*252.3*
HOME TEXTILES		*1902.6*	*1927.2*	*2036.5*	*2002.8*	*511.3*	*514.9*	*512.9*	*497.4*	*426.6*	*519.9*	*551.1*	*505.2*
INDUSTRIAL		*1268.4*	*1247.4*	*1278.1*	*1215.1*	*297.2*	*332.3*	*315.8*	*332.8*	*283.2*	*311.3*	*310.3*	*310.3*
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET) [i]													
NYLON		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
POLYESTER		649.9	597.3	560.4	655.9	123.2	144.6	140.3	152.3	146.7	164.2	167.7	177.3
OLEFIN		24.4	26.0	28.7	NA	7.4	8.0	6.9	6.4	6.0	7.9	NA	NA

(C) ARTIFICIAL (CELLULOSIC) YARN *(N) NYLON* *(P) POLYESTER* *(O) OLEFIN*

NA No longer available.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene

b. Small quantities of polyester and artificial (cellulosic) yarn are included in All Other

c. Small quantities of olefin are included in All Other

d. Small quantities of nylon and polyester are included in All Other

e. Other Broad Woven except carpets, tire fabric, flat belting, etc

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing

g. Artificial (cellulosic) yarn quantities included in All Other

h. All Other includes sewing thread and other industrial applications The olefin quantities include sliver knit backing Also includes indirect exports

i. These quantities are included in the Total Domestic area above

j. Nylon quantities are included in Other Circular Knit

TABLE 18:
STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1990				1991			
		1988	1989	1990	1991	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	183.2	174.5	139.7	135.2	41.0	32.0	32.2	34.5	30.1	38.0	32.4	34.7
	NPR	2.7	2.1	2.4	2.4	0.6	0.5	0.6	0.7	0.6	0.4	0.7	0.7
PILE FABRICS[b]	A	21.3	20.0	15.2	11.1	4.2	4.4	3.5	3.1	2.5	3.4	3.1	2.1
	P	14.7	15.3	12.4	9.5	3.5	3.5	2.8	2.6	2.8	2.6	2.1	2.0
OTHER CIRCULAR KNIT + FLAT KNIT[c]	R	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	A	139.0	132.4	109.0	94.8	32.5	33.8	26.0	16.7	24.4	25.4	26.6	18.4
	P	470.0	519.5	485.3	483.7	123.4	129.1	117.8	115.0	109.4	123.0	121.3	130.0
BLANKETS[b]	A	25.1	29.8	i	i	i	i	i	i	i	i	i	i
	P	6.9	9.2	3.3	4.2	1.4	0.6	0.5	0.8	0.3	0.8	0.6	2.5
OTHER BROAD WOVEN	R	243.0	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N	35.2	32.7	26.9	j	6.2	8.6	7.0	5.1	j	j	j	j
	A	39.3	40.5	50.7	50.3	13.4	13.7	11.6	12.0	10.9	14.1	14.2	11.1
	P	863.5	821.8	687.4	682.1	165.7	172.8	172.0	176.9	156.3	162.4	175.3	188.1
	O	17.1	21.6	18.3	35.8	5.2	4.4	4.9	3.8	8.6	9.6	9.8	7.8
CARPET FACE YARNS[f]	R	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N	887.7	894.9	896.8	768.9	230.2	227.9	223.4	215.3	162.2	202.0	216.4	188.3
	P	261.2	211.6	166.5	230.4	48.0	40.1	40.4	38.0	38.2	58.8	60.5	72.9
	O	133.2	137.7	127.4	123.4	34.2	33.7	31.4	28.1	23.9	32.2	33.2	34.1
FIBERFILL[d]	P	357.2	349.5	376.3	429.5	90.6	91.4	93.4	100.9	96.5	107.5	113.1	112.4
FLOCK	NP	6.9	7.5	9.6	12.4	1.9	2.6	2.2	2.9	3.3	2.7	3.1	3.3
	R	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
NONWOVENS[e]	R	122.3	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N	2.1	2.4	2.9	j	0.6	0.7	0.9	0.7	j	j	j	j
	P	244.1	271.5	239.9	237.3	54.4	60.0	59.8	65.7	57.1	58.0	61.8	60.4
	[g] VINYON+O	180.9	194.8	232.5	271.6	52.2	61.8	57.6	60.9	63.1	66.8	70.4	71.3
ALL OTHER	R	17.2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
	N	13.7	17.8	13.9	53.2	3.9	3.2	2.1	4.7	13.6	14.6	13.4	11.6
	A	13.2	17.4	37.6	27.8	7.7	10.1	10.7	9.1	8.2	6.2	6.5	6.9
	P	91.3	61.0	42.0	49.3	14.8	12.9	7.1	7.2	6.7	12.2	13.3	17.1
	[g] VINYON+O	8.0	9.3	9.7	6.7	2.4	2.1	2.9	2.3	1.5	2.0	1.6	1.6
TOTAL ABOVE	**R**	**386.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
	N	**944.9**	**955.3**	**950.2**	**835.0**	**242.6**	**243.1**	**235.7**	**228.8**	**179.1**	**219.5**	**233.1**	**203.3**
	A	**421.1**	**414.8**	**352.2**	**319.2**	**98.8**	**94.0**	**84.0**	**75.4**	**76.1**	**87.1**	**82.8**	**73.2**
	P	**2311.8**	**2261.3**	**2015.4**	**2127.9**	**502.6**	**510.8**	**494.3**	**507.7**	**467.9**	**525.5**	**548.5**	**586.0**
	[g] VINYON+O	**344.2**	**363.4**	**387.9**	**437.5**	**94.0**	**102.0**	**96.8**	**95.1**	**97.1**	**110.6**	**115.0**	**114.8**
TOTAL DOMESTIC		**4408.0**	**3994.8**	**3705.7**	**3719.6**	**938.0**	**949.9**	**910.8**	**907.0**	**820.2**	**942.7**	**979.4**	**977.3**
ALSO DIVIDED AS													
APPAREL		*1421.6*	*1266.9*	*1061.6*	*1023.2*	*278.8*	*274.0*	*259.0*	*249.8*	*236.2*	*263.8*	*261.2*	*262.0*
HOME TEXTILES		*1827.5*	*1695.7*	*1597.4*	*1517.3*	*414.0*	*405.2*	*392.8*	*385.4*	*315.2*	*385.4*	*408.2*	*408.5*
INDUSTRIAL		*1158.9*	*1032.3*	*1046.7*	*1179.1*	*245.2*	*270.7*	*259.0*	*271.8*	*268.8*	*293.5*	*310.0*	*306.8*

(R) RAYON[h] ***(N) NYLON*** ***(A) ACRYLIC+MODACRYLIC*** ***(P) POLYESTER*** ***(O) OLEFIN***

NA No longer available.
a. Olefin quantities are included in All Other
b. Rayon and nylon quantities are included in All Other
c. Nylon quantities are included in All Other
d. Rayon, acrylic and nylon quantities are included in All Other
e. Wet & dry laid and needled batts only
f. Acrylic and nylon quantities are included in All Other
g. Data exclude Vinyon
h. Rayon staple+tow data no longer available in 1989-1991
i. Acrylic quantities are included in All Other
j. Nylon quantities are included in All Other

TABLE 19:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

	1992												YEAR TO DATE[a]	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
	MANUFACTURED FIBER TOTAL SHIPMENTS[b, c]													
ARTIFICIAL (CELLULOSIC)														
YARN	16.8	17.9											34.7	31.2
RAYON STAPLE	23.0	21.0											44.0	36.6
TOTAL ARTIFICIAL (CELLULOSIC)	**39.8**	**38.9**											**78.7**	**67.8**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	25.2	23.2											48.4	57.3
- CARPET	81.8	77.4											159.2	123.9
- TEXTILE[f]	33.9	29.2											63.1	64.2
POLYESTER - INDUSTRIAL[d]	30.4	28.7											59.1	52.0
- TEXTILE[f]	71.2	68.0											139.2	129.4
OLEFIN[e]	108.7	113.5											222.2	207.8
TOTAL YARN	**351.2**	**340.0**											**691.2**	**634.6**
STAPLE+TOW+FIBERFILL														
NYLON	71.4	63.7											135.1	121.5
ACRYLIC+MODACRYLIC	35.1	33.5											68.6	71.3
POLYESTER	195.1	186.8											381.9	328.2
OLEFIN	35.7	38.1											73.8	65.6
TOTAL STAPLE	**337.3**	**322.1**											**659.4**	**586.6**
TOTAL SYNTHETIC (NONCELLULOSIC)	**688.5**	**662.1**											**1350.6**	**1221.2**
TOTAL MANUFACTURED FIBER	**728.3**	**701.0**											**1429.3**	**1289.0**
	MANUFACTURED FIBER END-OF-MONTH STOCK													
ARTIFICIAL (CELLULOSIC)														
YARN	11.3	11.2											11.2	9.6
RAYON STAPLE	25.6	25.7											25.7	27.3
TOTAL ARTIFICIAL (CELLULOSIC)	**36.9**	**36.9**											**36.9**	**36.9**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	30.7	29.6											29.6	23.9
- CARPET	82.8	81.3											81.3	80.6
- TEXTILE[f]	43.2	48.3											48.3	46.2
POLYESTER - INDUSTRIAL[d]	34.7	35.0											35.0	43.0
- TEXTILE[f]	98.0	98.7											98.7	93.4
OLEFIN[e]	58.8	59.5											59.5	59.7
TOTAL YARN	**348.2**	**352.4**											**352.4**	**346.8**
STAPLE+TOW+FIBERFILL														
NYLON	64.0	63.6											63.6	81.6
ACRYLIC+MODACRYLIC	82.3	83.1											83.1	72.4
POLYESTER	144.3	147.3											147.3	189.5
OLEFIN	33.6	35.3											35.3	30.0
TOTAL STAPLE	**324.2**	**329.3**											**329.3**	**373.5**
TOTAL SYNTHETIC (NONCELLULOSIC)	**672.4**	**681.7**											**681.7**	**720.3**
TOTAL MANUFACTURED FIBER	**709.3**	**718.6**											**718.6**	**757.2**
	COTTON & WOOL CONSUMPTION													
RAW COTTON														
APPAREL CLASS WOOL														
CARPET CLASS WOOL														
TOTAL RAW WOOL														

a. "Year to date" totals for stock, are the latest month's figures.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic shipments plus export shipments.

d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

f. Includes low denier industrial yarn.

FIBER ORGANON

Volume 63, No. 4 April 1992 A publication of *Fiber Economics Bureau, Inc.*

Highlights

- Imports for Consumption of Silk, Linen, Jute, Sisal and Other Fibers...see page 67.
- U.S. Domestic Consumption of Products Including Other Fibers...begins on page 68.

SHIPMENTS:

In March, total manufactured fiber shipments reached 778 million pounds, 11% above the 701 million pounds shipped in February and 18% above the 658 million pounds shipped in March 1991.

March shipments of synthetic (noncellulosic) filament yarn rose 11% to 377 million pounds and staple+tow rose 12% to 361 million pounds.

Contributing to the increase in shipments over the previous month were nylon staple+tow up 25% or 16 million pounds, nylon industrial yarn up 24% or 6 million pounds and acrylic+modacrylic staple+tow up 6 million pounds or 18%.

Year-to-date domestic shipments of manufactured fiber are up 15% and exports are down 12%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1992 MAR	1992 FEB	% CHG 3/92 - 2/92	1991 MAR	% CHG 3/92 - 3/91	YEAR TO DATE 1992	YEAR TO DATE 1991	% CHG YTD 1992 - 1991
ARTIFICIAL (CELLULOSIC)								
YARN	17.4	17.9	*-2.8*	16.2	*+7.4*	52.1	47.4	*+9.9*
RAYON STAPLE	22.7	21.0	*+8.1*	22.1	*+2.7*	66.7	58.7	*+13.6*
TOTAL ARTIFICIAL (CELL.)	**40.1**	**38.9**	***+3.1***	**38.3**	***+4.7***	**118.8**	**106.1**	***+12.0***
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	28.8	23.2	*+24.1*	26.5	*+8.7*	77.2	83.8	*-7.9*
- CARPET	85.7	77.4	*+10.7*	63.8	*+34.3*	244.9	187.7	*+30.5*
- TEXTILE[a]	33.2	29.2	*+13.7*	28.8	*+15.3*	96.3	93.0	*+3.5*
POLYESTER - INDUSTRIAL	31.4	28.7	*+9.4*	26.5	*+18.5*	90.5	78.5	*+15.3*
- TEXTILE[a]	77.1	67.8	*+13.7*	64.4	*+19.7*	216.1	193.8	*+11.5*
OLEFIN	120.7	114.1	*+5.8*	109.4	*+10.3*	344.1	317.2	*+8.5*
TOTAL YARN	**376.9**	**340.4**	***+10.7***	**319.4**	***+18.0***	**1069.1**	**954.0**	***+12.1***
STAPLE+TOW+FIBERFILL								
NYLON	79.4	63.7	*+24.6*	64.1	*+23.9*	214.7	185.6	*+15.7*
ACRYLIC+MODACRYLIC	39.5	33.5	*+17.9*	35.5	*+11.3*	108.1	106.8	*+1.2*
POLYESTER	203.1	186.8	*+8.7*	166.1	*+22.3*	585.0	494.3	*+18.3*
OLEFIN	39.2	38.1	*+2.9*	34.6	*+13.3*	113.0	100.2	*+12.8*
TOTAL STAPLE	**361.2**	**322.1**	***+12.1***	**300.3**	***+20.3***	**1020.8**	**886.9**	***+15.1***
TOTAL SYNTHETIC (NONCELL.)	**738.1**	**662.5**	***+11.4***	**619.7**	***+19.1***	**2089.9**	**1840.9**	***+13.5***
TOTAL MANUFACTURED FIBER	**778.2**	**701.4**	***+10.9***	**658.0**	***+18.3***	**2208.7**	**1947.0**	***+13.4***
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS[b]	736.1	664.1	*+10.8*	612.7	*+20.1*	2090.8	1812.6	*+15.3*
EXPORTS[c]	42.1	37.3	*+12.9*	45.3	*-7.1*	117.9	134.4	*-12.3*

[a] Includes low denier industrial yarn

[b] Includes olefin exports

[c] Excludes olefin exports

Fiber Organon

A Monthly Review

April 1992

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TABLE 2:
IMPORTS FOR CONSUMPTION
MILLION POUNDS

	SILK				LINEN				JUTE				SISAL & OTHERS				TOTAL IMP TO THE LEFT
YEAR	RAW MATL	SEMI-MFRD	FIN-ISHED	TOTAL	RAW MATL	SEMI-MFRD	FIN-ISHED	TOTAL	RAW MATL	SEMI-MFRD	FIN-ISHED	TOTAL	RAW MATL	SEMI-MFRD	FIN-ISHED	TOTAL	
1977	1.6	2.0	1.8	5.4	0.4	3.4	35.2	39.0	26.7	597.9	29.2	653.8	115.9	3.7	253.6	373.2	1071.4
1978	2.0	3.6	3.5	9.1	1.0	5.2	36.2	42.4	37.6	588.6	38.2	664.4	127.8	8.4	234.0	370.2	1086.1
1979	1.5	2.8	3.9	8.2	0.9	5.1	30.4	36.4	48.5	488.8	13.5	550.8	117.0	4.7	304.8	426.5	1021.9
1980	1.0	3.1	4.4	8.5	0.6	2.9	27.7	31.2	20.9	380.4	13.6	414.9	104.6	5.6	242.2	352.4	807.0
1981	1.9	4.6	1.2	7.7	2.9	2.2	22.2	27.3	34.5	370.4	8.4	413.3	89.8	31.8	224.8	346.4	794.7
1982	2.0	4.2	1.2	7.4	7.8	1.5	20.0	29.3	35.2	268.5	5.8	309.5	85.0	30.0	187.2	302.2	648.4
1983	1.6	6.1	1.4	9.1	3.8	2.3	a	6.1	30.4	297.8	6.6	334.8	70.7	29.5	240.1	340.3	690.3
1984	1.4	7.0	2.3	10.7	4.8	3.2	a	8.0	20.0	261.8	4.8	286.6	69.5	41.4	263.9	374.8	630.1
1985	1.5	6.4	2.3	10.2	3.0	1.3	a	4.3	32.6	201.2	7.2	241.0	66.5	33.8	291.1	391.4	646.9
1986	1.0	6.9	2.4	10.3	3.0	1.7	a	4.7	30.4	230.5	6.9	267.8	68.9	27.1	203.6	299.6	582.4
1987	1.4	8.2	1.6	11.2	2.7	1.5	a	4.2	31.5	247.4	6.4	285.3	69.2	27.1	206.5	302.8	603.5
1988	0.9	8.0	2.2	11.1	3.4	1.5	a	4.9	29.3	175.6	8.0	212.9	50.2	21.2	210.7	282.1	511.0
1989	1.1	8.8	1.3	11.2	3.6	1.8	a	5.4	15.1	156.1	6.1	177.3	65.6	18.1	199.8	283.5	477.4
1990[b]	0.7	10.5	1.0	12.2	3.5	2.2	a	5.7	8.7	206.7	10.5	225.9	67.1	20.7	219.9	307.7	551.5
1991[b]	1.0	12.8	0.9	14.7	3.7	1.6	a	5.3	12.1	193.3	8.8	214.2	67.8	20.7	218.4	306.9	541.1

SOURCE: U.S. Dept. of Commerce, Office of Textiles & Apparel

a. Due to changes in the tariff classifications, Linen Finished Goods are included in Sisal & Others Finished Goods.

b. These figures are preliminary for 1990 & 1991.

Because these fibers are not grown in the United States (flax production is nominal), imports are taken as the total available supply.

SILK: **Raw material** means raw silk plus silk waste & noils. **Semimanufactured** means spun & thrown silk yarns and silk fabrics. **Finished goods** are mainly scarves, handkerchiefs, blouses and laces.

LINEN: **Raw material** includes hackled and unhackled flax, noils, tow & straw. **Semimanufactured** includes linen yarn, sliver & roving. **Finished goods** are mainly fabrics, handkerchiefs, toweling, napery & dresses.

JUTE: **Raw material** includes unmanufactured jute and jute butts. **Semimanufactured** means yarn & roving, new & waste bagging and burlap in the piece. **Finished goods** are mainly cordage, bags and webbing.

SISAL & OTHERS: Includes all of the *hard or leaf fibers* (e.g., abaca or manila hemp, coir, crin, henequen, istle or tampico, sisal, etc.) **imported** into the United States plus the *soft or bast fibers* (e.g., hemp, ramie, sunn, etc.) except flax or linen and jute, which are tabulated separately here. **Semimanufactured** is chiefly coir yarns & roving. **Finished goods** are mainly cordage and twine.

TABLE 3:

U.S. MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF PRODUCTS INCLUDING OTHER FIBERS

MILLION POUNDS & *PERCENT*

	MANUFACTURED FIBER MILL CONSUMPTION=PRODUCERS' SHIPMENTS (DOM) PLUS IMPORTS FOR CONSUMPTION (IMP)																					
	ARTIFICIAL (CELLULOSIC) FIBER											SYNTHETIC (NONCELLULOSIC) FIBER										
	YARN+MONOFIL			STAPLE+TOW			WASTE					YARN+MONOFIL			STAPLE+TOW			WASTE				
YEAR	DOM	IMP	TOTAL	DOM	IMP	TOTAL	SHIP	IMP	EXP	NET	TOTAL	DOM	IMP	TOTAL	DOM	IMP	TOTAL	SHIP	IMP	EXP	NET	TOTAL
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)	(22)
1977	327.5	23.5	351.0	452.9	57.8	510.7	18.5	0.6	12.6	6.5	868.2	3461.4	92.5	3553.9	3373.1	52.9	3426.0	291.0	23.2	66.1	248.1	7228.0
1978	337.6	25.7	363.3	466.2	41.1	507.3	15.7	0.4	7.0	9.1	879.7	3641.9	52.2	3694.1	3505.5	60.5	3566.0	263.9	26.0	88.7	201.2	7461.3
1979	343.4	13.3	356.7	449.4	16.5	465.9	17.2	0.8	9.6	8.4	831.0	3797.6	20.0	3817.6	3713.5	39.3	3752.8	238.6	21.1	137.7	122.0	7692.4
1980	316.7	8.3	325.0	397.7	10.3	408.0	13.5	0.3	6.1	7.7	740.7	3532.0	19.6	3551.6	3482.5	35.6	3518.1	170.2	21.5	116.4	75.3	7145.0
1981	272.9	10.7	283.6	400.9	16.8	417.7	15.3	0.5	2.8	13.0	714.3	3483.1	18.9	3502.0	3327.9	60.5	3388.4	174.2	49.9	107.3	116.8	7007.2
1982	199.1	7.0	206.1	294.7	13.4	308.1	10.7	0.4	3.2	7.9	522.1	2893.9	23.8	2917.7	3037.6	51.2	3088.8	173.2	37.8	86.1	124.9	6131.4
1983	233.1	8.7	241.8	334.9	13.6	348.5	9.4	0.3	1.4	8.3	598.6	3385.4	48.3	3433.7	3671.9	101.4	3773.3	214.1	46.1	71.3	188.9	7395.9
1984	218.3	10.0	228.3	332.3	17.0	349.3	11.4	0.5	1.6	10.3	587.9	3308.6	90.0	3398.6	3494.2	131.1	3625.3	216.9	50.5	89.7	177.7	7201.6
1985	187.1	13.9	201.0	324.2	12.3	336.5	8.8	0.5	1.2	8.1	545.6	3559.2	104.6	3663.8	3441.4	159.4	3600.8	260.2	40.7	75.6	225.3	7489.9
1986	192.1	17.0	209.1	373.5	17.4	390.9	10.4	0.1	2.2	8.3	608.3	3621.2	126.1	3747.3	3737.4	182.8	3920.2	261.5	40.3	123.7	178.1	7845.6
1987	166.8	12.8	179.6	383.6	13.8	397.4	9.6	0.1	1.1	8.6	585.6	3803.2	123.9	3927.1	3987.4	189.0	4176.4	239.1	47.0	113.5	172.6	8276.1
1988	182.6	17.6	200.2	386.0	20.4	406.4	7.8	+	2.0	5.8	612.4	3929.6	116.3	4045.9	4022.0	196.2	4218.2	244.8	40.5	144.4	140.9	8405.0
1989	187.3	26.3	213.6	338.2	54.0	392.2	6.0	0.6	11.6	-5.0	600.8	3912.0	182.2	4094.2	3994.8	192.4	4187.2	220.8	48.0	141.4	127.4	8408.8
1990	172.7	24.2	196.9	291.7	111.6	403.3	4.4	0.5	6.2	-1.3	598.9	3988.6	154.7	4143.3	3705.7	209.8	3915.5	260.1	54.5	135.3	179.3	8238.1
1991	179.9	30.8	210.7	255.5	92.0	347.5	4.9	1.9	8.5	-1.7	556.5	3988.5	174.8	4163.3	3719.6	263.1	3982.7	277.3	40.3	152.5	165.1	8311.1

Continued on opposite page

TABLE 3:
U.S. MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF PRODUCTS INCLUDING OTHER FIBERS *(CONTINUED)*
MILLION POUNDS & *PERCENT*

	MILL CONSUMPTION OF 4 FIBERS										DOMESTIC CONSUMPTION OF 4 FIBERS (CONS)=MILL CONSUMPTION+IMPORTS (IMP) LESS EXPORTS (EXP) OF SEMIMANUFACTURED & MANUFACTURED PRODUCTS												
	MANUFAC. FIBER		COTTON		WOOL		OTHER FIBERS		TOTAL		MANUFACTURED FIBER			COTTON			WOOL			OTHER FIBERS	TOTAL		
YEAR	LB	%	LB	%	LB	%	LB	%	LB	%	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS	IMP	IMP	EXP	CONS
	(23)		(24)		(25)		(26)		(27)		(28)	(29)	(30)	(31)	(32)	(33)	(34)	(35)	(36)	(37)	(38)	(39)	(40)
1977	8096.2	*70.1*	3169.8	*27.5*	133.9	*1.2*	144.6	*1.3*	11544.5	*100.0*	530.7	367.7	8259.2	669.4	369.5	3469.7	85.9	11.5	208.3	1071.4	2357.4	748.7	13008.6
1978	8341.0	*71.3*	3040.4	*26.0*	141.6	*1.2*	168.4	*1.4*	11691.4	*100.0*	642.6	441.7	8541.9	845.4	355.7	3530.1	92.2	11.6	222.2	1086.1	2666.3	809.0	13380.3
1979	8523.4	*71.7*	3066.4	*25.8*	134.4	*1.1*	167.9	*1.4*	11892.1	*100.0*	525.0	596.6	8451.8	746.1	478.0	3334.5	80.6	14.0	201.0	1021.9	2373.6	1088.6	13009.2
1980	7885.7	*70.3*	3064.4	*27.3*	137.8	*1.2*	127.1	*1.1*	11215.0	*100.0*	540.6	771.5	7654.8	810.9	523.1	3352.2	85.1	23.8	199.1	807.0	2243.6	1318.4	12013.1
1981	7721.5	*71.9*	2730.8	*25.4*	152.7	*1.4*	129.1	*1.2*	10734.1	*100.0*	639.1	637.7	7722.9	961.9	367.3	3325.4	93.1	11.8	234.0	794.7	2488.8	1016.8	12077.0
1982	6653.5	*70.8*	2478.9	*26.4*	129.5	*1.4*	130.0	*1.4*	9391.9	*100.0*	697.9	438.5	6912.9	897.2	253.4	3122.7	100.1	10.8	218.8	648.4	2343.6	702.7	10902.8
1983	7994.5	*72.3*	2795.7	*25.3*	162.5	*1.5*	106.5	*1.0*	11059.2	*100.0*	1069.5	460.7	8603.3	1135.5	219.6	3711.6	131.9	9.9	284.5	690.3	3027.2	690.2	13289.7
1984	7789.5	*72.7*	2668.2	*24.9*	163.2	*1.5*	95.7	*0.9*	10716.6	*100.0*	1342.6	487.9	8644.2	1465.6	206.1	3927.7	190.1	9.6	343.7	680.1	3678.4	703.6	13595.7
1985	8035.5	*72.6*	2796.0	*25.3*	134.7	*1.2*	103.6	*0.9*	11069.8	*100.0*	1491.0	499.1	9027.4	1629.2	213.2	4212.0	250.2	15.9	369.0	646.9	4017.3	728.2	14255.3
1986	8453.9	*70.3*	3301.7	*27.5*	164.5	*1.4*	103.3	*0.9*	12023.4	*100.0*	1703.0	519.3	9637.6	1910.5	274.8	4937.4	260.5	14.2	410.8	582.4	4456.4	808.3	15568.2
1987	8861.7	*68.9*	3736.5	*29.0*	167.6	*1.3*	104.8	*0.8*	12870.6	*100.0*	1805.4	591.9	10075.2	2335.7	298.0	5774.2	258.3	21.3	404.6	603.5	5002.9	911.2	16857.5
1988	9017.4	*70.9*	3470.1	*27.3*	156.1	*1.2*	83.8	*0.7*	12727.4	*100.0*	1735.7	684.6	10068.5	2118.8	330.2	5258.7	230.5	27.8	358.8	511.0	4596.0	1042.6	16197.0
1989	9009.6	*68.2*	3985.9	*30.1*	139.6	*1.1*	85.4	*0.6*	13220.5	*100.0*	*1820.0	*740.0	*10089.6	*2337.3	*504.2	*5819.0	*206.3	*61.3	*284.6	477.4	*4841.0	*1305.5	*16670.6
1990	8837.0	*67.5*	4036.5	*30.8*	135.4	*1.0*	80.0	*0.6*	13088.9	*100.0*	*1820.0	*820.0	*9837.0	*2402.9	*660.8	*5778.6	*195.8	*56.4	*274.8	551.5	*4970.2	*1537.2	*16441.9
1991	8867.6	*65.9*	4347.5	*32.3*	165.2	*1.2*	84.6	*0.6*	13464.9	*100.0*	*1907.0	*886.0	*9888.6	*2493.0	*702.0	*6138.5	*192.8	*58.5	*299.5	541.1	*5133.9	*1646.5	*16867.7

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the March 1985 issue.

* **PRELIMINARY ESTIMATES DERIVED FROM *INCOMPLETE* DATA FROM THE DEPARTMENT OF AGRICULTURE.**

SOURCES OF DATA, ARRANGED BY COLUMN NUMBER ( ):

1 & 4: March issue on page 52.
12 & 15: March issue on page 53.
7 & 18: March issue on page 56.
2: For 1975 - 1988: Import Classes 309.0310, .0610, .2000, 310.0106, .0130, .0206, .0230 & .0610
For 1989 - 1991: Import Classes 5403.10.30.20, 5403.10.30.40, 5403.10.60.00, 5403.20.30.00, 5403.20.60.00, 5403.31.00.20 - 5403.39.00.40, 5403.41.10.00 - 5403.49.00.00, 5405.00.30.00 & 5405.00.60.00.
5: For 1977 - 1988: Import Classes 309.3010, .3310, .4320 & .4325
For 1989 - 1991: Import Classes 5504.10.00.00, 5504.90.00.00, 5502.00.00.00 & 5507.00.00.00
8: For 1977 - 1988: Import Classes 309.6615 & .7510
For 1989 - 1991: Import Class 5505.20.00.00
9: For 1975 - 1988: Export Class 309.7400
For 1989 - 1991: Export Class 5505.20.00.00
13: For 1977 - 1988: Import Classes 309.0200, .0330, .0340, .0365, .0500, .0630, .0640, .0665, .2100, .2500, 310.0107, .0108, .0110, .0114, .0149, .0150, .0170, .0207, .0208, .0210, .0214, .0249, .0250, .0270, .0550, .0630 & .0650.
For 1989 - 1991: Import Classes 5402.10.30.20, 5402.10.30.40, 5402.10.60.00, 5402.31.30.00, 5402.31.60.00, 5402.32.30.00, 5402.32.60.00, 5402.41.00.10, 5402.41.00.30, 5402.41.00.40, 5402.51.00.00, 5402.61.00.00, 5404.10.20.20, 5402.20.30.20, 5402.20.30.40, 5402.20.60.00, 5402.33.30.00, 5402.33.60.00, 5402.42.00.00, 5402.43.00.20, 5402.43.00.40, 5402.52.00.00, 5402.62.00.00, 5404.10.20.40, 5402.39.30.10, 5402.39.30.90, 5402.39.60.10, 5402.39.60.90, 5402.49.00.10, 5402.49.00.50, 5402.49.00.70, 5402.49.00.80, 5402.59.00.00, 5402.69.00.00, 5404.10.10.00, 5404.10.20.90 & 5404.90.00.00
16: For 1977 - 1988: Import Classes 309.3030, .3040, .3050, .3065, .3200, .3340, .3350, .3365, .4331, .4336, .4341, .4351, .4361, .4366, .4371 & .4390
For 1989 - 1991: Import Classes 5503.10.00.00, 5503.20.00.00, 5503.30.00.00, 5503.40.00.00, 5503.90.00.00, 5501.10.00.00, 5501.20.00.00, 5501.30.00.00, 5501.90.00.00, 5506.10.00.00, 5506.20.00.00, 5506.30.00.00 & 5506.90.00.00
19: For 1977 - 1988: Import Classes 309.6625, .6630, .6645, .6660, .7000 & .7525 - .7555
For 1989 - 1991: Import Classes 5505.10.00.20, 5505.10.00.40 & 5505.10.00.60
20: For 1977 - 1988: Export Classes 309.7620, .7630, .7640 & .7660
For 1989 - 1991: Export Classes 5505.10.00.20, 5505.10.00.40 & 5505.10.00.60
24: U.S. Census Bureau Report M22P
25: U.S. Census Bureau Report MQ22D
26: This issue page 67
28, 29, 31, 32, 34 & 35: U.S. Department of Agriculture, ***Cotton and Wool Situation and Outlook Report.***
37: This issue page 67

CERTAIN TOTALS IN THE TABLES:
(Obvious totals such as Columns 1+2=3, 4+5=6, etc. are not described here.)
10: Columns 7+8-9
21: Columns 18+19-20
23: Columns 11+22
30: Columns 23+28-29
33: Columns 24+31-32
36: Columns 25+34-35
40: Columns 27+38-39-26

TABLE 4:
U.S. MANUFACTURED FIBER IMPORTS[a]
THOUSAND POUNDS

	1992												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	748	848											1596	440
TEXTURED	0	0											0	0
OTHER	2637	2044											4681	3359
MONOFILAMENTS & STRIPS	11	0											11	2
SUBTOTAL ABOVE	**3396**	**2892**											**6288**	**3801**
STAPLE	11373	8302											19675	16780
TOW	103	111											214	676
TOPS	0	0											0	0
SUBTOTAL ABOVE	**11476**	**8413**											**19889**	**17456**
WASTE	**0**	**46**											**46**	**216**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	913	980											1893	3564
TEXTURED														
UP TO 450 DENIER	411	517											928	548
OVER 450 DENIER	3249	1978											5227	2983
POY	2498	3305											5803	3666
OTHER	2245	1850											4095	1614
MONOFILAMENTS & STRIPS	172	165											337	222
SUBTOTAL ABOVE	**9488**	**8795**											**18283**	**12597**
POLYESTER														
HIGH TENACITY	1142	1602											2744	1493
TEXTURED	630	854											1484	1643
POY	728	634											1362	379
OTHER	1229	1433											2662	2987
MONOFILAMENTS & STRIPS	38	75											113	72
SUBTOTAL ABOVE	**3767**	**4598**											**8365**	**6574**
OTHER SYNTHETIC FILAMENT														
TEXTURED	212	93											305	353
OTHER	1496	1096											2592	1645
MONOFILAMENTS & STRIPS	804	616											1420	1102
SUBTOTAL ABOVE	**2512**	**1805**											**4317**	**3100**
STAPLE														
NYLON	2554	2136											4690	3684
POLYESTER	14654	14416											29070	29517
ACRYLIC	1607	1450											3057	1657
POLYPROPYLENE	168	77											245	439
OTHER	242	320											562	505
TOW														
NYLON	701	503											1204	977
POLYESTER	35	78											113	307
ACRYLIC	2009	2686											4695	4767
OTHER	0	39											39	75
TOPS	757	1003											1760	154
SUBTOTAL ABOVE	**22727**	**22708**											**45435**	**42082**
WASTE														
NYLON	791	1083											1874	3513
POLYESTER	1022	1149											2171	3249
OTHER	606	633											1239	690
TOTAL MANUFACTURED FIBERS ABOVE	**55785**	**52122**											**107907**	**93278**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	251	136											387	212
SPUN YARN	318	277											595	920
SPUN YARNS														
SYNTHETIC	904	536											1440	1274
ARTIFICIAL	0	0											0	0
PUT UP FOR RETAIL SALE	48	28											76	[illegible]
GRAND TOTAL ABOVE	**57306**	**53099**											**110405**	**95817**

SOURCE: U S Census Bureau Report IM145X

a. U S General Imports

TABLE 5:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	1992												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	13	1											14	418
TEXTURED	7	61											68	109
OTHER	247	176											423	280
MONOFILAMENTS & STRIPS	19	42											61	10
SUBTOTAL ABOVE	**286**	**280**											**566**	**817**
STAPLE	1371	1087											2458	1749
TOPS	1910	479											2389	15
SUBTOTAL ABOVE	**3281**	**1566**											**4847**	**1764**
WASTE	**229**	**656**											**885**	**1193**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	4619	5521											10140	15957
TEXTURED														
UP TO 450 DENIER	923	786											1709	1954
OVER 450 DENIER	6214	4125											10339	8940
POY	52	80											132	163
OTHER	3119	3582											6701	5829
MONOFILAMENTS & STRIPS	29	32											61	91
SUBTOTAL ABOVE	**14956**	**14126**											**29082**	**32934**
POLYESTER														
HIGH TENACITY	4556	3556											8112	11375
TEXTURED	5546	6616											12162	9359
POY	884	1205											2089	1342
OTHER	629	768											1397	4102
MONOFILAMENTS & STRIPS	113	95											208	218
SUBTOTAL ABOVE	**11728**	**12240**											**23968**	**26396**
OTHER SYNTHETIC FILAMENT														
TEXTURED	596	338											934	1230
OTHER	1569	1395											2964	4586
MONOFILAMENTS & STRIPS	967	954											1921	1909
SUBTOTAL ABOVE	**3132**	**2687**											**5819**	**7725**
STAPLE														
NYLON	2465	2456											4921	4599
POLYESTER	7763	8890											16653	14767
ACRYLIC	1251	1310											2561	4257
POLYPROPYLENE	3041	3740											6781	5119
OTHER	454	266											720	2563
TOW														
NYLON	340	361											701	403
POLYESTER	108	7											115	59
ACRYLIC	556	557											1113	2789
OTHER	1	16											17	15
TOPS	9392	6332											15724	16461
SUBTOTAL ABOVE	**25371**	**23935**											**49306**	**51032**
WASTE														
NYLON	2800	2293											5093	5753
POLYESTER	3787	4239											8026	8519
OTHER	6168	5955											12123	13116
TOTAL MANUFACTURED FIBERS ABOVE	**71738**	**67977**											**139715**	**149249**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	610	560											1170	1717
SPUN YARN	278	1332											1610	436
SPUN YARNS														
SYNTHETIC	2038	1846											3884	2147
ARTIFICIAL	526	355											881	268
PUT UP FOR RETAIL SALE	2727	2230											4957	2976
GRAND TOTAL ABOVE	**77917**	**74300**											**152217**	**156793**

SOURCE: U S Census Bureau Report EM522

TABLE 6:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1992												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	157	66											223	123
BELGIUM	100	0											100	24
BRAZIL	54	105											159	273
CANADA	1201	1053											2254	1183
CHILE	0	0											0	66
GERMANY	694	951											1645	1111
JAPAN	176	77											253	245
MEXICO	107	70											177	189
NETHERLANDS	516	262											778	451
UNITED KINGDOM	383	297											680	86
ALL OTHER COUNTRIES [a]	8	11											19	50
TOTAL ARTIFICIAL YARN	**3396**	**2892**											**6288**	**3801**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	1567	1396											2963	2710
CANADA	4675	4144											8819	6068
CHINA, PRC	0	0											0	321
FINLAND	424	744											1168	506
GERMANY	41	38											79	561
JAPAN	85	25											110	311
TAIWAN	220	0											220	2604
THAILAND	189	189											378	2080
UNITED KINGDOM	702	322											1024	1253
YUGOSLAVIA	298	0											298	613
ALL OTHER COUNTRIES [b]	3275	1555											4830	429
TOTAL ARTIFICIAL STAPLE+TOW	**11476**	**8413**											**19889**	**17456**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	3	39											42	279
BRAZIL	0	5											5	0
CANADA	4980	3882											8862	6571
COSTA RICA	485	465											950	1179
ECUADOR	0	0											0	34
FRANCE	1128	435											1563	1332
GERMANY	1433	2244											3677	3005
IRELAND	78	105											183	362
ISRAEL	294	338											632	229
ITALY	209	113											322	215
JAPAN	1687	1635											3322	1756
KOREA, REP OF	179	58											237	176
MEXICO	1047	1554											2601	3077
NETHERLANDS	412	362											774	481
TAIWAN	680	547											1227	180
THAILAND	107	79											186	128
UNITED KINGDOM	2218	2464											4682	3110
ALL OTHER COUNTRIES [c]	827	873											1700	157
TOTAL SYNTHETIC YARN	**15767**	**15198**											**30965**	**22271**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	22	13											35	57
AUSTRALIA	31	24											55	218
BRAZIL	2	0											2	110
CANADA	3647	4089											7736	2524
FRANCE	551	409											960	961
GERMANY	1983	2109											4092	2536
INDIA	93	47											140	6887
IRELAND	468	43											511	0
ITALY	291	56											347	223
JAPAN	2185	3017											5202	4583
KOREA, REP OF	4674	3214											7888	11431
MALAYSIA	88	44											132	95
MEXICO	1981	1579											3560	3532
SPAIN	62	64											126	36
SWITZERLAND	364	144											508	402
TAIWAN	4520	5903											10423	5020
TURKEY	127	240											367	0
UNITED KINGDOM	1444	1677											3121	3243
ALL OTHER COUNTRIES [d]	194	36											230	224
TOTAL SYNTHETIC STAPLE+TOW	**22727**	**22708**											**45435**	**42082**

[a] France 13, Uruguay 3, Italy 2, China, PRC 1

[b] Korea, Rep of 3806, Spain 574, Sweden 218, Brazil 73, Belgium 44, Poland 43, Czechoslovakia 40, France 31, Italy 1

[c] South Africa 874, Spain 204, Portugal 160, India 139, Australia 129, Switzerland 97, Turkey 42, Austria 33, Hong Kong 8, Sweden 7, Denmark 3, China, PRC 2, Argentina 1, Greece 1

[d] Israel 55, Denmark 48, Hong Kong 44, Colombia 41, South Africa 23, CIS 15, China, PRC 2, Netherlands 2

TABLE 7:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1992												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
	MANUFACTURED FIBER TOTAL SHIPMENTS[b c]													
ARTIFICIAL (CELLULOSIC)														
YARN	16.8	17.9	17.4										52.1	47.4
RAYON STAPLE	23.0	21.0	22.7										66.7	58.7
TOTAL ARTIFICIAL (CELLULOSIC)	39.8	38.9	40.1										118.8	106.1
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	25.2	23.2	28.8										77.2	83.8
- CARPET	81.8	77.4	85.7										244.9	187.7
- TEXTILE[f]	33.9	29.2	33.2										96.3	93.0
POLYESTER - INDUSTRIAL[d]	30.4	28.7	31.4										90.5	78.5
- TEXTILE[f]	71.2	67.8	77.1										216.1	193.8
OLEFIN[e]	109.3	114.1	120.7										344.1	317.2
TOTAL YARN	351.8	340.4	376.9										1069.1	954.0
STAPLE+TOW+FIBERFILL														
NYLON	71.6	63.7	79.4										214.7	185.6
ACRYLIC+MODACRYLIC	35.1	33.5	39.5										108.1	106.8
POLYESTER	195.1	186.8	203.1										585.0	494.3
OLEFIN	35.7	38.1	39.2										113.0	100.2
TOTAL STAPLE	337.5	322.1	361.2										1020.8	886.9
TOTAL SYNTHETIC (NONCELLULOSIC)	689.3	662.5	738.1										2089.9	1840.9
TOTAL MANUFACTURED FIBER	729.1	701.4	778.2										2208.7	1947.0
	MANUFACTURED FIBER END-OF-MONTH STOCK													
ARTIFICIAL (CELLULOSIC)														
YARN	11.3	11.2	10.9										10.9	10.0
RAYON STAPLE	25.6	25.7	26.9										26.9	26.0
TOTAL ARTIFICIAL (CELLULOSIC)	36.9	36.9	37.8										37.8	36.0
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	30.7	29.6	24.5										24.5	24.7
- CARPET	82.8	81.3	79.0										79.0	77.6
- TEXTILE[f]	43.2	48.3	52.1										52.1	45.1
POLYESTER - INDUSTRIAL[d]	34.6	35.9	34.5										34.5	41.8
- TEXTILE[f]	98.0	98.7	94.1										94.1	93.9
OLEFIN[e]	58.8	59.5	57.4										57.4	61.1
TOTAL YARN	348.1	353.3	341.6										341.6	344.2
STAPLE+TOW+FIBERFILL														
NYLON	64.0	63.6	56.9										56.9	79.7
ACRYLIC+MODACRYLIC	82.3	83.1	79.7										79.7	67.9
POLYESTER	144.3	147.3	146.9										146.9	192.0
OLEFIN	33.6	35.3	38.1										38.1	31.5
TOTAL STAPLE	324.2	329.3	321.6										321.6	371.1
TOTAL SYNTHETIC (NONCELLULOSIC)	672.3	682.6	663.2										663.2	715.3
TOTAL MANUFACTURED FIBER	709.2	719.5	701.0										701.0	751.3
	COTTON CONSUMPTION													
RAW COTTON	255.0												255.0	NA
	WOOL CONSUMPTION[g]													
	1ST QUARTER			2ND QUARTER			3RD QUARTER			4TH QUARTER				
APPAREL CLASS WOOL														
CARPET CLASS WOOL														
TOTAL RAW WOOL														

NA - Not Available

a. "Year to date" totals for stock, are the latest month's figures

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month

c. Producers' total domestic shipments plus export shipments

d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier

e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses

f. Includes low denier industrial yarn

g. **Wool data available on a quarterly basis only.**

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With Additional Data for:

- Glass Fiber
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- Civil Engineering Fabric

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Monthly

- Production
- Domestic Shipments
- Exports
- Inventories
- Industrial Yarn
- Carpet Yarn
- Textile Yarn
- Flat Yarn
- Feed & Producer Textured Yarn
- Shipments by Denier
- Indirect Exports

Quarterly

- Production
- Domestic Shipments
- Imports
- Exports
- Shipments by Denier
- Inventories
- Primary End Use
- Secondary End Use
- Waste Shipments
- Civil Engineering Fabric Shipments

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FIBER ORGANON

Volume 63, No. 5 ☐ May 1992

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Highlights

- 1991 Per Capita Consumption Review... begins on page 79.
- May 1992 Capacity Survey Analysis... begins on page 84.
- Canadian Mill Consumption... begins on page 87.

SHIPMENTS:

In April, total manufactured fiber shipments reached 806 million pounds, 4% above the 778 million pounds shipped in March and 8% above the 750 milllion pounds shipped in April 1991.

April shipments of synthetic (noncellulosic) filament yarn rose 4% to 391 million pounds and staple+tow rose 3% to 373 million pounds.

Contributing to the increase in shipments over the previous month were polyester industrial yarn up 11% or 3 million pounds, nylon staple+tow up 9% or 7 million pounds, nylon carpet yarn up 8% or 7 million pounds and polyester textile yarn up 4 million pounds or 5%.

Year-to-date domestic shipments of manufactured fiber are up 14% and exports are down 12%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1992 APR	1992 MAR	% CHG 4/92 - 3/92	1991 APR	% CHG 4/92 - 4/91	YEAR TO DATE 1992	YEAR TO DATE 1991	% CHG YTD 1992 - 1991
ARTIFICIAL (CELLULOSIC)								
YARN	21.7	17.4	*+24.7*	20.3	*+6.9*	73.8	67.7	*+9.0*
RAYON STAPLE	19.8	22.7	*-12.8*	21.4	*-7.5*	86.5	80.1	*+8.0*
TOTAL ARTIFICIAL (CELL.)	**41.5**	**40.1**	***+3.5***	**41.7**	***-0.5***	**160.3**	**147.8**	***+8.5***
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	27.7	28.8	*-3.8*	27.9	*-0.7*	104.9	111.7	*-6.1*
- CARPET	92.7	86.2	*+7.5*	80.3	*+15.4*	339.2	268.0	*+26.6*
- TEXTILE [a]	30.5	31.8	*-4.1*	32.9	*-7.3*	125.4	125.9	*-0.4*
POLYESTER - INDUSTRIAL	34.7	31.4	*+10.5*	29.1	*+19.2*	125.1	107.6	*+16.3*
- TEXTILE [a]	81.1	77.1	*+5.2*	75.9	*+6.9*	297.2	269.7	*+10.2*
OLEFIN	124.3	121.4	*+2.4*	119.2	*+4.3*	470.7	436.4	*+7.9*
TOTAL YARN	**391.0**	**376.7**	***+3.8***	**365.3**	***+7.0***	**1462.5**	**1319.3**	***+10.9***
STAPLE+TOW+FIBERFILL								
NYLON	86.3	79.3	*+8.8*	78.1	*+10.5*	299.9	263.7	*+13.7*
ACRYLIC+MODACRYLIC	39.5	39.5	- -	34.2	*+15.5*	147.6	141.0	*+4.7*
POLYESTER	209.0	203.1	*+2.9*	191.7	*+9.0*	794.0	686.0	*+15.7*
OLEFIN	38.3	39.4	*-2.8*	38.5	*-0.5*	152.1	138.7	*+9.7*
TOTAL STAPLE	**373.1**	**361.3**	***+3.3***	**342.5**	***+8.9***	**1393.6**	**1229.4**	***+13.4***
TOTAL SYNTHETIC (NONCELL.)	**764.1**	**738.0**	***+3.5***	**707.8**	***+8.0***	**2856.1**	**2548.7**	***+12.1***
TOTAL MANUFACTURED FIBER	**805.6**	**778.1**	***+3.5***	**749.5**	***+7.5***	**3016.4**	**2696.5**	***+11.9***
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS [b]	768.1	736.0	*+4.4*	707.0	*+8.6*	2861.3	2519.6	*+13.6*
EXPORTS [c]	37.5	42.1	*-10.9*	42.5	*-11.8*	155.1	176.9	*-12.3*

-- No change.
a. Includes low denier industrial yarn.
b. Includes olefin exports.
c. Excludes olefin exports.

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1991 PER CAPITA CONSUMPTION REVIEW

Per capita consumption of all fibers rose to 66.7 pounds in 1991,1.5% above the 65.7 pounds recorded in 1990.

In 1991, per capita GDP fell 1.8% from 1990, while per capita manufactured fiber consumption fell 0.5%. Cotton per capita consumption increased 5.2%, wool rose 9.1%, and other fibers (silk, linen, jute and sisal & other) fell 4.5%.

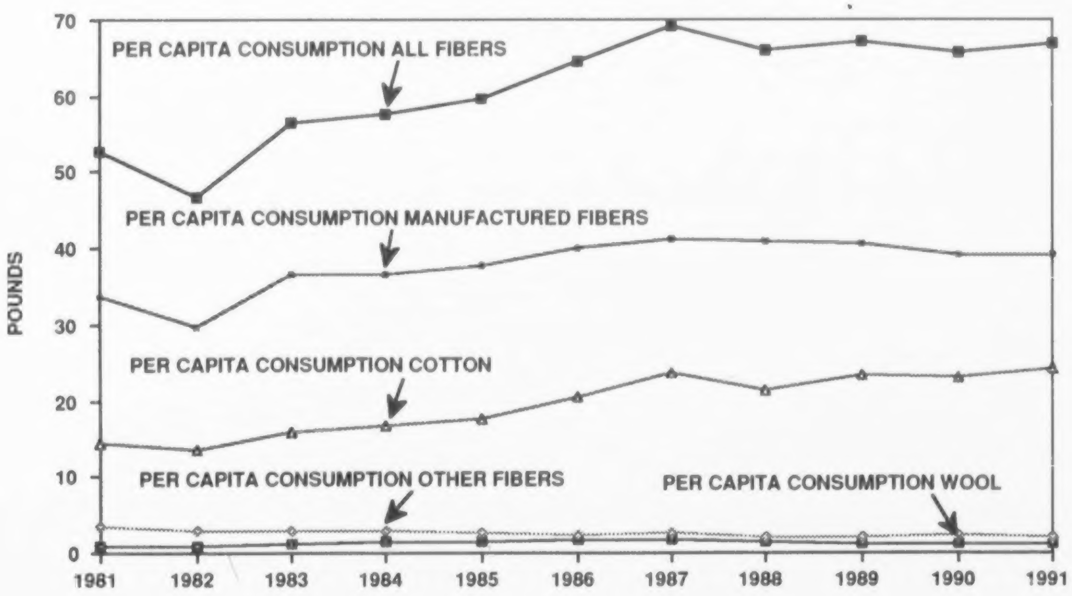
Since 1981, the U.S. population has grown 9.8%. At the same time, the per capita GDP has increased 14.9% (in constant 1987 dollars), while per capita consumption of all fibers rose 26.8%, manufactured fiber per capita consumption increased 16.4%, wool rose 20.0%, and other fibers (silk, linen, jute and sisal & others) fell 40.0% (see Table 6).

TABLE & GRAPH SUMMARY

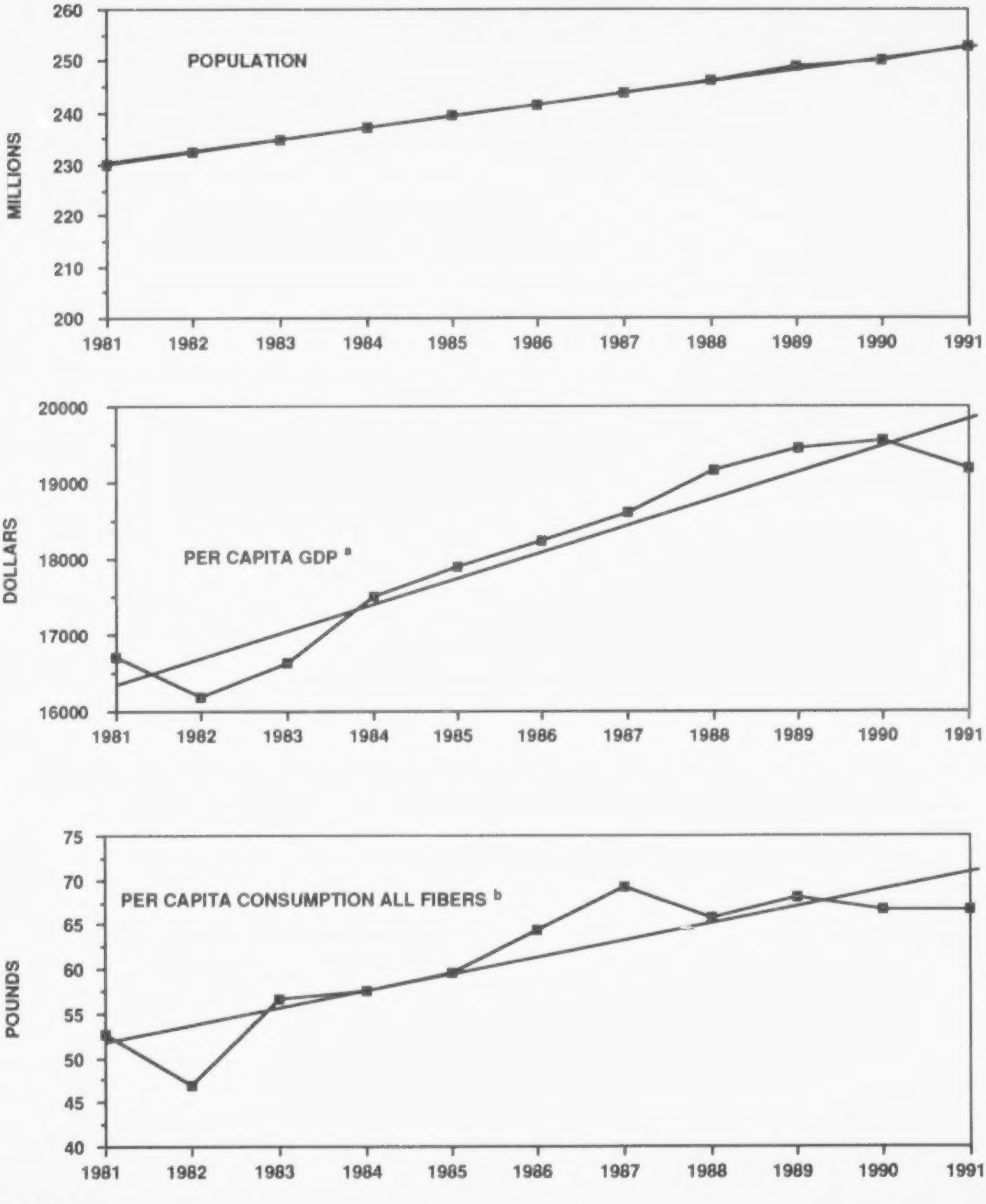
The tables and graphs contained in this review are described as follows:

Table 2:	Per capita GDP derived by dividing the annual Gross Domestic Product data by the population July 1st.
Table 3:	Total U.S. domestic fiber consumption from the April ***Fiber Organon,*** page 69.
Table 4:	Domestic consumption data in Table 3 divided by July 1st population data.
Table 5:	Summary of total mill consumption of all fibers, except glass fiber.
Table 6:	Percentage change and relative growth over time of population, per capita GDP and per capita consumption of the various fibers.
Table 7:	Listing of imports in per capita terms and their percentage growth over time for comparison with overall per capita domestic consumption.
Graph 1:	Per capita consumption of all fibers, based on the data in Table 4.
Graph 2:	Growth in the population and trends in per capita GDP and per capita consumption of all fibers, as shown in Tables 2 and 4.

GRAPH 1:
PER CAPITA CONSUMPTION



GRAPH 2:
COMPARISON OF POPULATION, GDP & PER CAPITA CONSUMPTION OF ALL FIBERS



a. In 1987 dollars.

b. Data on Glass Fiber are no longer available to prevent company level disclosure. The series including Glass Fiber was last published in the May 1985 issue.

TABLE 2:
U.S. POPULATION, GROSS DOMESTIC PRODUCT & PER CAPITA GROSS DOMESTIC PRODUCT

YEAR	POPULATION [a]	GDP [b]	PER CAPITA GDP [c]
1981	230.1	3843.1	16702
1982	232.5	3760.3	16173
1983	234.8	3906.6	16638
1984	237.0	4148.5	17504
1985	239.3	4279.8	17885
1986	241.6	4404.5	18231
1987	243.9	4540.0	18614
1988	246.3	4718.6	19158
1989	248.8	4836.9	19441
1990	250.0	4884.9	19540
1991	252.7	4849.9	19192

SOURCE: ***Current Population Reports***, U.S. Dept. of Commerce, Bureau of the Census.
Survey of Current Business, Volume 72, No. 2, February 1992, U.S. Dept. of Commerce, Bureau of Economic Analysis.

[a] In millions. Population data for all years have been changed to that of July 1.
[b] In billions of 1987 dollars.
[c] In dollars.

TABLE 3:
U.S. TOTAL FIBER CONSUMPTION
MILLION POUNDS

YEAR	MFRD. FIBER [a]	COTTON	WOOL	OTHER FIBERS	TOTAL
1981	7722.9	3325.4	234.0	794.7	12077.0
1982	6912.9	3122.7	218.8	648.4	10902.8
1983	8603.2	3711.6	284.5	690.3	13289.7
1984	8644.2	3929.7	343.7	680.1	13597.7
1985	9027.4	4212.0	369.0	646.9	14255.3
1986	9637.6	4937.4	410.8	582.4	15568.2
1987	10075.2	5774.2	404.6	603.5	16857.5
1988	10068.5	5258.7	358.8	511.0	16197.0
1989	10089.6	5819.0	284.6	477.4	16670.6
1990	9837.0	5778.6	274.8	551.5	16441.9
1991	9888.6	6138.5	299.5	541.1	16867.7

[a] Excludes Glass Fiber. Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

TABLE 4:
U.S. PER CAPITA FIBER CONSUMPTION [a]
POUNDS

PERIOD	POPULATION	PER CAPITA				
		MFRD. FIBER [b]	COTTON	WOOL	OTHER FIBERS	TOTAL
1981	230.1	33.6	14.5	1.0	3.5	52.6
1982	232.5	29.7	13.4	0.9	2.8	46.8
1983	234.8	36.6	15.8	1.2	2.9	56.5
1984	237.0	36.5	16.6	1.5	2.9	57.5
1985	239.3	37.7	17.6	1.5	2.7	59.5
1986	241.6	39.9	20.4	1.7	2.4	64.4
1987	243.9	41.3	23.7	1.7	2.5	69.2
1988	246.3	40.9	21.4	1.5	2.1	65.9
1989	248.8	40.6	23.4	1.1	1.9	67.0
1990	250.0	39.3	23.1	1.1	2.2	65.7
1991	252.7	39.1	24.3	1.2	2.1	66.7

[a] Based on total U.S. domestic consumption (mill consumption plus imports less exports of semimanufactured and manufactured products).
[b] Excludes Glass Fiber. Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

TABLE 5:
MILL CONSUMPTION BY FIBER
BILLION POUNDS

YEAR	RAYON	ACETATE [a]	NYLON [b]	POLYESTER	ACRYLIC [c]	OLEFIN	COTTON	WOOL	OTHER FIBERS	TOTAL
1981	0.5	0.2	2.2	3.5	0.5	0.8	2.7	0.2	0.1	10.7
1982	0.3	0.2	1.9	3.0	0.5	0.8	2.5	0.1	0.1	9.4
1983	0.4	0.2	2.4	3.4	0.5	1.0	2.8	0.2	0.1	11.0
1984	0.4	0.2	2.4	3.2	0.5	1.0	2.7	0.2	0.1	10.7
1985	0.5 [d]		2.6	3.1	0.5	1.4	2.8	0.1	0.1	11.1
1986	0.6 [d]		2.5	3.2	0.6	1.5	3.3	0.2	0.1	12.0
1987	0.6 [d]		2.7	3.5	0.5	1.6	3.7	0.2	0.1	12.9
1988	0.6 [d]		2.7	3.6	0.5	1.5	3.5	0.2	0.1	12.7
1989	0.6 [d]		2.6	3.6	0.5	1.7	4.0	0.1	0.1	13.2
1990	0.6 [d]		2.6	3.2	0.4	2.1	4.0	0.1	0.1	13.1
1991	0.6 [d]		2.5	3.5	0.4	1.9	4.3	0.2	0.1	13.5

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

[a] Includes triacetate. Cigarette tow is excluded.

[b] Includes Aramid for all years except 1983-1991.

[c] Includes modacrylic.

[d] Rayon and acetate combined.

TABLE 6:
PERCENT ANALYSIS OF POPULATION, PER CAPITA GDP AND PER CAPITA CONSUMPTION OF MANUFACTURED FIBER, COTTON, WOOL & OTHER FIBERS

							PER CAPITA CONSUMPTION														
YEAR	POPULATION	% [a]	% [b]	PER CAPITA GDP	% [a]	% [b]	MANUFAC. FIBER [c]	% [a]	% [b]	COTTON	% [a]	% [b]	WOOL	% [a]	% [b]	OTHER FIBERS	% [a]	% [b]	ALL FIBERS	% [a]	% [b]
1981	230.1			16702			33.6			14.5			1.0			3.5			52.6		
1982	232.5	+1.0	+1.0	16173	-3.2	-3.2	29.7	-11.6	-11.6	13.4	-7.6	-7.6	0.9	-10.0	-10.0	2.8	-20.0	-20.0	46.8	-11.0	-11.0
1983	234.8	+1.0	+2.0	16638	+2.9	-0.4	36.6	+23.2	+8.9	15.8	+17.9	+9.0	1.2	+33.3	+20.0	2.9	+3.6	-17.1	56.5	+20.7	+7.4
1984	237.0	+0.9	+3.0	17504	+5.2	+4.8	36.5	-0.3	+8.6	16.6	+5.1	+14.5	1.5	+25.0	+50.0	2.9	- -	-17.1	57.5	+1.8	+9.3
1985	239.3	+1.0	+4.0	17885	+2.2	+7.1	37.7	+3.3	+12.2	17.6	+6.0	+21.4	1.5	- -	+50.0	2.7	-6.9	-22.9	59.5	+3.5	+13.1
1986	241.6	+1.0	+5.0	18231	+1.9	+9.2	39.9	+5.8	+18.7	20.4	+15.9	+40.7	1.7	+13.3	+70.0	2.4	-11.1	-31.4	64.4	+8.2	+22.4
1987	243.9	+1.0	+6.0	18614	+2.1	+11.4	41.3	+3.5	+22.9	23.7	+16.2	+63.4	1.7	- -	+70.0	2.5	+4.2	-28.6	69.2	+7.5	+31.6
1988	246.3	+1.0	+7.0	19158	+2.9	+14.7	40.9	-1.0	+21.7	21.4	-9.7	+47.6	1.5	-11.8	+50.0	2.1	-16.0	-40.0	65.9	-4.8	+25.3
1989	248.8	+1.0	+8.1	19441	+1.5	+16.4	40.6	-0.7	+20.8	23.4	+9.3	+61.4	1.1	-26.7	+10.0	1.9	-9.5	-45.7	67.0	+1.7	+27.4
1990	250.0	+0.5	+8.6	19540	+0.5	+17.0	39.3	-3.2	+17.0	23.1	-1.3	+59.3	1.1	- -	+10.0	2.2	+15.8	-37.1	65.7	-1.9	+24.9
1991	252.7	+1.1	+9.8	19192	-1.8	+14.9	39.1	-0.5	+16.4	24.3	+5.2	+67.6	1.2	+9.1	+20.0	2.1	-4.5	-40.0	66.7	+1.5	+26.8

Population is in millions of people.
Per Capita GDP is in 1987 dollars.
All other Per Capita Consumption data are in pounds.

All data are taken from the tables on page 85.

[a] Percent change year to year.

[b] Percent change since 1981.

[c] Excludes Glass Fiber. Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

TABLE 7:
PER CAPITA CONSUMPTION OF IMPORTS OF MANUFACTURED FIBER, COTTON & WOOL MANUFACTURES COMPARED WITH PER CAPITA TOTAL CONSUMPTION OF MANUFACTURED FIBER, COTTON & WOOL

POUNDS & *PERCENT*

	IMPORTS															DOMESTIC FIBER CONSUMPTION					
	MANUFACTURED FIBER					COTTON					WOOL										
YEAR	TOTAL	%[a]	APPAREL	%[a]	%[b]	TOTAL	%[a]	APPAREL	%[a]	%[b]	TOTAL	%[a]	APPAREL	%[a]	%[b]	MANU-FACTURED FIBER[c]	%[a]	COTTON	%[a]	WOOL	%[a]
1981	2.8		1.9		67.9	4.2		2.2		52.4	0.4		0.2		50.0	33.6		14.5		1.0	
1982	3.0	+7.1	2.1	+10.5	70.0	3.9	-7.1	2.2	--	56.4	0.4	--	0.2	--	50.0	29.7	-11.6	13.4	-7.6	0.9	-10.0
1983	4.6	+53.3	2.5	+19.0	54.3	4.8	+23.1	2.7	+22.7	56.3	0.6	+50.0	0.3	+50.0	50.0	36.6	+23.2	15.8	+17.9	1.2	+33.3
1984	5.7	+23.9	2.9	+16.0	50.9	6.2	+29.2	3.2	+18.5	51.6	0.8	+33.3	0.3	--	37.5	36.5	-0.3	16.6	+5.1	1.5	+25.0
1985	6.2	+8.8	3.3	+13.8	53.2	6.8	+9.7	3.7	+15.6	54.4	1.0	+25.0	0.6	+100.0	60.0	37.7	+3.3	17.6	+6.0	1.5	--
1986	7.0	+12.9	3.8	+15.2	54.3	7.9	+16.2	4.2	+13.5	53.2	1.1	+10.0	0.6	--	54.5	39.9	+5.8	20.4	+15.9	1.7	+13.3
1987	7.4	+5.7	4.2	+10.5	56.8	9.6	+21.5	5.2	+23.8	54.2	1.1	--	0.7	+16.7	63.6	41.3	+3.5	23.7	+16.2	1.7	--
1988	7.0	-5.4	4.0	-4.8	57.1	8.6	-10.4	5.1	-1.9	59.3	0.9	-18.2	0.6	-14.3	66.7	40.9	-1.0	21.4	-9.7	1.5	-11.8
1989	*7.3	+4.3	*4.8	+20.0	65.8	*9.4	+9.3	*5.8	+13.7	61.7	*0.8	-11.1	*0.5	-16.7	62.5	40.6	-0.7	23.4	+9.3	1.1	-26.7
1990	*7.3	--	*4.7	-2.1	64.4	*9.6	+2.1	*6.0	+3.4	62.5	*0.8	--	*0.5	--	62.5	39.3	-3.2	23.1	-1.3	1.1	--
1991	*7.5	+2.7	*4.5	-4.3	60.0	*9.9	+3.1	*6.0	--	60.6	*0.8	--	*0.5	--	62.5	39.1	-0.5	24.3	+5.2	1.2	9.1

* PRELIMINARY ESTIMATES DERIVED FROM *INCOMPLETE* DATA FROM THE DEPARTMENT OF AGRICULTURE.

-- No change.

a. Percent change from previous year.

b. Apparel as percent of total imports of semimanufactured and manufactured products.

c. Excludes Glass Fiber. Data on Glass Fiber is no longer available due to company disclosure. The series including Glass Fiber was last published in the May 1985 issue.

MAY 1992 CAPACITY SURVEY ANALYSIS

U.S. Manufactured Fiber Capacity Utilization at 80%

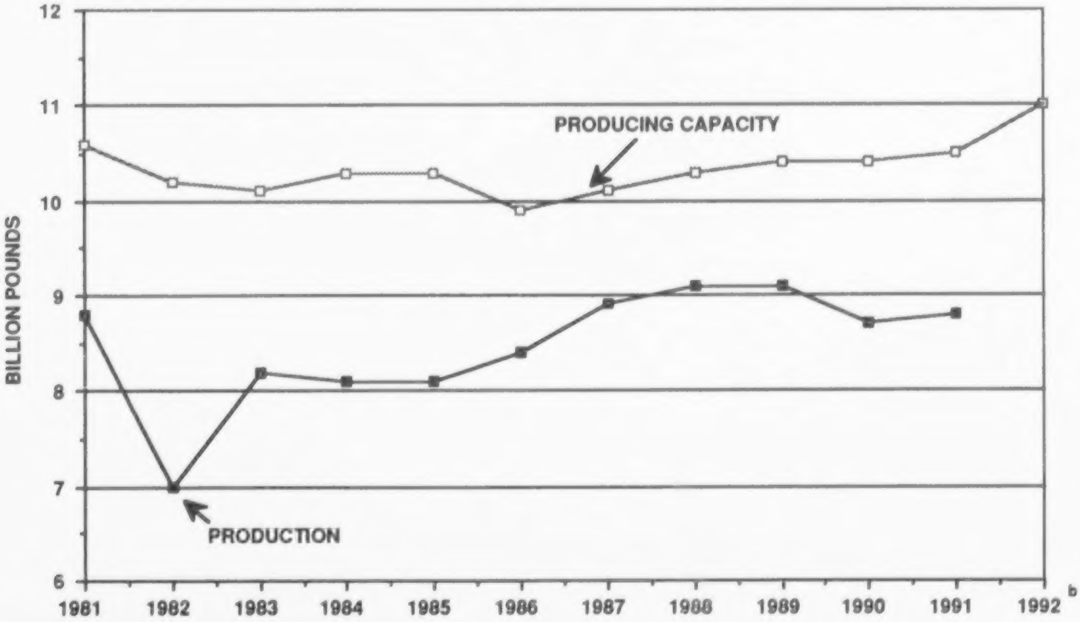
Based on yearly January - April production data and May 1992 Capacity Survey results, the capacity utilization rate for the U.S. manufactured fiber industry fell to 80% as compared to 83% in 1991 (Graph 3).

Total industry capacity (excluding glass fiber) rose to 11,043 million pounds, 5% above the 10,507 million pounds recorded in the November 1991 Survey.

Since November 1991, the synthetic (noncellulosic) filament yarn capacity rose from 5,176 million pounds to 5,449 million pounds, with a 21% gain in polyester textile yarn.

In 1992, capacity for synthetic (noncellulosic) staple+tow increased 5% to 5,049 million pounds from the 4,786 million pounds in November 1991 (Table 9). A major increase was shown in polyester staple+tow where the capacity rose from 2,603 million pounds in November 1991 to 2,883 million pounds in May 1992.

GRAPH 3:
MANUFACTURED FIBER INDUSTRY PRODUCTION & PRODUCING CAPACITY [a]



a. Artifical (Cellulosic) and Synthetic (Noncellulosic) fiber excluding glass fiber.
b. Based on May 1992 capacity survey.

TABLE 8:
U.S. MANUFACTURED FIBER PRODUCTION & PRODUCING CAPACITY
MILLION POUNDS

	ARTIFICIAL (CELLULOSIC) FIBERS							SYNTHETIC (NONCELLULOSIC) FIBERS [a]			GRAND TOTAL MANUFACTURED FIBERS EXCLUDING GLASS FIBER			NON-ADD GLASS FIBER [d]
	FILAMENT YARN+MONOFIL			STAPLE+TOW										
PERIOD	RAYON	ACETATE [b]	TOTAL	RAYON	ACETATE [b]	TOTAL	TOTAL	YARN +MONO	STAPLE +TOW	TOTAL	YARN +MONO [c]	STAPLE +TOW	TOTAL	
ACTUAL ANNUAL PRODUCTION														
1979	57	317	374	549	7	556	930	4155	4282	8437	4529	4838	9367	1014
1980	47	309	356	443	7	450	806	3744	4148	7892	4100	4598	8698	867
1981	48	257	305	461	4	465	770	3815	4191	8006	4120	4656	8776	1041
1982	33	195	228	355	1	356	584	3057	3403	6460	3285	3759	7044	899
1983	36	228	264	375	1	376	640	3568	3970	7538	3832	4346	8178	1169
1984	41	198	239	389	+	389	628	3525	3947	7472	3764	4336	8100	1394
1985			205 g			353 g	558	3790	3773	7563	3995	4126	8121	NA
1986			215 g			404 g	619	3836	3992	7828	4051	4396	8447	NA
1987			191 g			414 g	605	4010	4306	8316	4201	4720	8921	NA
1988			214 g			400 g	614	4180	4346	8526	4394	4746	9140	NA
1989			218 g			363 g	581	4225	4290	8515	4443	4653	9096	NA
1990			206 g			299 g	505	4194	3991	8185	4400	4290	8690	NA
1991			213 g			273 g	486	4282	3984	8266	4495	4257	8752	NA
ACTUAL & PROJECTED CAPACITY, ANNUAL RATE, AS OF -														
NOV 1979 e	75	355	430	671	8	679	1109	5106	4678	9784	5536	5357	10893	1305
NOV 1980 e	63	324	387	514	8	522	909	4913	4714	9627	5300	5236	10536	1473
NOV 1981 e	52	332	384	509	5	514	898	4746	4950	9696	5130	5464	10594	1561
NOV 1982 e	63	318	381	510	4	514	895	4553	4781	9334	4934	5295	10229	1718
NOV 1983 e	63	268	331	510	4	514	845	4447	4827	9274	4778	5341	10119	1618
NOV 1984 e	63	268	331	510	4	514	845	4479	4981	9460	4810	5495	10305	1743
NOV 1985 e			269 g	510	5	515	784	4668	4890	9558	4937	5405	10342	1769
NOV 1986 e			244 g			465 g	709	4545	4662	9207	4789	5127	9916	1763
NOV 1987 e			244 g			465 g	709	4557	4793	9350	4801	5258	10059	1642
NOV 1988 e			244 g			469 g	713	4743	4849	9592	4987	5318	10305	1729
NOV 1989 e			232 g			492 g	724	4918	4755	9673	5150	5247	10397	1822
NOV 1990 e			219 g			322 g	541	5126	4688	9814	5345	5010	10355	1824
NOV 1991 e			220 g			325 g	545	5176	4786	9962	5396	5111	10507	1818
MAY 1992 e			220 g			325 g	545	5449	5049	10498	5669	5374	11043	1923
NOV 1992 f			220 g			325 g	545	5497	5052	10549	5717	5377	11094	1925
MAY 1993 f			220 g			325 g	545	5551	5057	10608	5771	5382	11153	2026
NOV 1993 f			220 g			325 g	545	5654	5061	10715	5874	5386	11260	2026
MAY 1994 f			220 g			325 g	545	5809	5068	10877	5029	5393	11422	2142

NA No longer available.

a. Included are those listed in the November ***Fiber Organon*** issue, with the exception of Aramid fiber as of November 1983. Yarn+mono includes olefin film fiber and spunbonded polypropylene. Staple+tow includes fiberfill.

b. Data include diacetate and triacetate. The acetate staple+tow data do not include the large quantities for cigarette filtration.

c. Grand Total Yarn means the yarn+mono shown, excluding glass fiber.

d. Glass fiber, all types.

e. Actual producing capacity as of the date shown.

f. Future producing capacity planned for certain dates as of NOV 1992.

g. Detail withheld due to disclosure of company data.

TABLE 9:
SYNTHETIC (NONCELLULOSIC) FIBER CAPACITY DETAIL

MILLION POUNDS & *AVERAGE DENIER*

	FILAMENT YARN, MONOFIL & OLEFIN FILM FIBER											STAPLE, TOW & FIBERFILL					SYNTHETIC (NONCELLULOSIC) TOTAL
	NYLON+ARAMID				POLYESTER			OLEFIN [a]			TOTAL	NYLON + ARAMID	ACRYL +MOD ACRYL	POLY-ESTER	OLEFIN + VINYON [e]	TOTAL	
			TEXTILE			TEXTILE											
PERIOD	IND	CARP	LBS	DEN	IND	LBS	DEN	YARN	MONO[b]	FILM [b]							
NOV 1979 c	513	950	579	*51*	443	1699	*114*	172	342	408	5106	1020	839	2673	146	4678	9784
NOV 1980 c	515	910	551	*52*	400	1637	*113*	120	350	430	4913	991	830	2759	134	4714	9627
NOV 1981 c	514	893	553	*49*	316	1481	*114*	178	356	455	4746	1010	835	2839	266	4950	9696
NOV 1982 c	474	925	513	*53*	338	1265	*119*	209	369	460	4553	978	832	2700	271	4781	9334
NOV 1983 c	440	907	494	*52*	337	1170	*122*	240	375	484	4447	1017	826	2704	280	4827	9274
NOV 1984 c	437	926	470	*57*	342	1162	*121*	270	386	486	4479	1054	807	2784	336	4981	9460
NOV 1985 c	437	965	466	*53*	374	1097	*126*	304	412	613	4668	1067	631	2785	407	4890	9558
NOV 1986 c	435	964	398	*51*	401	1021	*123*	286	407	633	4545	1077	637	2491	457	4662	9207
NOV 1987 c	418	1005	404	*49*	399	929	*121*	342	393	667	4557	1137	652	2522	482	4793	9350
NOV 1988 c	421	1053	423	*49*	408	968	*121*	392	399	679	4743	1137	642	2584	486	4849	9592
NOV 1989 c	420	1168	430	*48*	420	900	*115*	491	405	684	4918	1150	641	2464	500	4755	9673
NOV 1990 c	377	1197	450	*49*	433	908	*115*	579	501	681	5126	1144	446	2578	520	4688	9814
NOV 1991 c	383	1182	437	*48*	438	936	*122*	659	464	677	5176	1141	487	2603	555	4786	9962
MAY 1992 c	376	1202	451	*48*	465	1131	*147*	671	459	694	5449	1116	495	2883	555	5049	10498
NOV 1992 d	376	1212	458	*48*	465	1131	*147*	701	460	694	5497	1116	495	2885	556	5052	10549
MAY 1993 d	376	1212	473	*49*	469	1154	*147*	704	461	702	5551	1116	497	2888	556	5057	10608
NOV 1993 d	376	1292	481	*49*	469	1154	*147*	719	461	702	5654	1116	497	2888	560	5061	10715
MAY 1994 d	376	1302	481	*49*	469	1281	*146*	719	479	702	5809	1116	504	2888	560	5068	10877

NOTE: As of the November 1983 survey, nylon capacity data no longer include Aramid Fiber.

IND Industrial yarn and monofil, i.e., 500 denier & coarser, with an Instron tenacity of 7 grams per denier or more.

CARP Bulked continuous filament yarn for carpets.

TEXTILE Yarn & monofil for other (textile) applications. Low denier industrial yarn is tabulated here also.

a. Includes polyethylene & polypropylene. Not included here are data on spunbonded polyethylene, monofilament bristles, film fiber used for decorative or tying ribbons, etc.

b. Includes the circular and rectangular (ribbon) cross sections plus spunbonded polypropylene. Olefin film fiber includes slit and split or fibrillated fiber.

c. Actual producing capacity as of date shown.

d. Future producing capacity planned for certain dates as of NOV 1992.

e. Data since November 1986 do not include Vinyon.

NOTE: THE INCREASE IN CAPACITY FOR POLYESTER YARN AND STAPLE IS DUE TO ADDITIONAL CAPACITY COMING ON STREAM.

SURVEY COVERAGE & DEFINITIONS

The survey figures shown in the table above cover the manufactured fibers in all their primary forms; i.e., filament yarn, monofilaments, polypropylene spunbonded and film fiber are tabulated as filament yarn, while staple, tow and fiberfill are tabulated as staple. The glass fiber data cover all primary forms of that fiber (yarn and strand, staple yarn and sliver, roving and cake, chopped and milled fiber and mat) although only an aggregate figure is published to avoid disclosure of individual company data. **Glass fiber data are no longer included with the filament yarn totals. The data were last published in the December 1984 issue.** The "capacity" to produce waste is **not** included in this survey.

Capacity is based on the current and projected "mix" of deniers, filament counts, packages, etc. It is **emphasized** that all figures refer to ***current*** and ***planned*** capacity. **They are not to be interpreted as a production forecast.**

Under the survey definitions, all productive equipment which is currently, or is planned to be, in operable condition is counted as capacity, regardless of whether it is actually producing fiber at the time the capacity measurement is taken. Equipment which is definitely scheduled for scrapping, or which has been scrapped since the last survey, is excluded from the capacity tabulation. The capacity data reflect ***potential***, rather than ***operating*** capacity.

TABLE 10:
CANADIAN MILL CONSUMPTION OF FIBER [a]
MILLION POUNDS

YEAR	MANUFACTURED FIBER [a]	COTTON	WOOL	TOTAL
1980	464.3	130.1	10.9	605.3
1981	387.9	132.3	15.0	535.2
1982	341.9	88.2	11.7	441.8
1983	424.3	121.3	14.7	560.3
1984	444.1	121.3	14.4	579.8
1985	472.9	105.8	16.1	594.8
1986	548.8	119.0	17.6	685.4
1987	551.2	94.8	15.3	661.3
1988	544.8	91.7	14.0	650.5
1989	488.3	90.2	14.2	592.7
1990	382.5	88.3	9.6	480.4

a. Based on Canadian domestic fiber (mill consumption). See pages 88 - 89.

TABLE 11:
CANADIAN MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF PRODUCTS

MILLION POUNDS & *PERCENT*

	MANUFACTURED FIBER MILL CONSUMPTION=PRODUCERS' SHIPMENTS (DOM) PLUS IMPORTS FOR CONSUMPTION (IMP)															
	ARTIFICIAL (CELLULOSIC) FIBER								SYNTHETIC (NONCELLULOSIC) FIBER							
	YARN+MONOFIL			STAPLE+TOW					YARN+MONOFIL			STAPLE+TOW				
YEAR	DOM	IMP	TOTAL	DOM	IMP	TOTAL	EXP	TOTAL	DOM	IMP	TOTAL	DOM	IMP	TOTAL	EXP	TOTAL
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1980	30.9	17.0	47.9	66.1	9.3	75.4	58.7	64.6	163.1	84.2	247.3	105.8	80.9	186.7	34.3	399.7
1981	29.7	17.2	46.9	62.1	4.0	66.1	54.7	58.3	145.3	59.5	204.8	96.8	92.8	189.6	64.8	329.6
1982	20.9	21.7	42.6	61.7	2.3	64.0	43.9	62.7	114.6	46.1	160.7	99.2	67.5	166.7	48.2	279.2
1983	22.0	24.3	46.3	66.1	4.1	70.2	56.5	60.0	130.6	99.0	229.6	116.9	86.3	203.2	68.5	364.3
1984	22.0	24.3	46.3	61.3	4.1	65.4	53.2	58.5	137.3	99.0	236.3	130.1	86.3	216.4	67.1	385.6
1985	17.6	25.2	42.8	59.3	4.9	64.2	54.1	52.9	165.6	115.1	280.7	119.9	89.9	209.8	70.5	420.0
1986	19.4	28.3	47.7	64.2	5.2	69.4	47.9	69.2	166.0	129.1	295.1	131.0	100.9	231.9	47.4	479.6
1987	18.7	25.4	44.1	62.8	4.5	67.3	60.5	50.9	157.6	143.1	300.7	128.3	101.3	229.6	30.0	500.3
1988	20.5	26.5	47.0	72.3	3.3	75.6	73.4	49.2	166.0	149.4	315.4	129.2	87.1	216.3	36.1	495.6
1989	28.9	34.7	63.6	73.9	3.2	77.1	76.1	64.6	143.7	170.0	313.7	131.4	65.4	196.8	86.8	423.7
1990	24.7	13.2	37.9	62.8	2.3	65.1	64.0	39.0	144.2	114.6	258.8	112.2	71.6	183.8	99.1	343.5

Continued on opposite page.

TABLE 11:
CANADIAN MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF PRODUCTS
(CONTINUED)
MILLION POUNDS & *PERCENT*

	MILL CONSUMPTION OF 4 FIBERS									DOMESTIC CONSUMPTION OF 3 FIBERS (CONS)=MILL CONSUMPTION+IMPORTS (IMP) LESS EXPORTS (EXP) OF SEMIMANUFACTURED & MANUFACTURED PRODUCTS											
	MANUFACTURED FIBER		COTTON		WOOL		SILK	TOTAL		MANUFACTURED FIBER			COTTON			WOOL			TOTAL		
YEAR	LB	%	LB	%	LB	%	LB	LB	%	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS
	(17)		(18)		(19)		(20)	(21)		(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)
1980	464.3	*76.7*	130.1	*21.5*	10.9	*1.8*	- -	605.3	*100.0*	268.3	76.5	656.1	192.7	20.9	301.9	40.3	10.1	41.1	501.3	107.5	999.1
1981	387.9	*72.5*	132.3	*24.7*	15.0	*2.8*	- -	535.2	*100.0*	255.7	74.5	569.1	179.2	19.4	292.1	49.8	8.2	56.6	484.7	102.1	917.8
1982	341.9	*77.4*	88.2	*20.0*	11.7	*2.6*	- -	441.8	*100.0*	228.4	60.8	509.5	193.1	24.3	257.0	46.3	6.6	51.4	467.8	91.7	817.9
1983	424.3	*75.7*	121.3	*21.6*	14.7	*2.6*	- -	560.3	*100.0*	303.4	64.2	663.5	181.7	23.8	279.2	59.5	7.5	66.7	544.6	95.5	1009.4
1984	444.1	*76.6*	121.3	*20.9*	14.4	*2.5*	- -	579.8	*100.0*	342.6	71.9	714.8	198.0	23.4	295.9	72.7	7.5	79.6	613.3	102.8	1090.3
1985	472.9	*79.5*	105.8	*17.8*	16.1	*2.7*	- -	594.8	*100.0*	356.7	62.6	767.0	169.1	23.4	251.5	73.9	9.7	80.3	599.7	95.7	1098.8
1986	548.8	*80.1*	119.0	*17.4*	17.6	*2.6*	- -	685.4	*100.0*	394.2	71.2	871.8	246.7	35.5	330.2	77.5	13.2	81.9	718.4	119.9	1283.9
1987	551.2	*83.4*	94.8	*14.3*	15.3	*2.3*	- -	661.3	*100.0*	414.2	92.8	872.6	304.0	38.8	360.0	75.4	12.6	78.1	793.6	144.2	1310.7
1988	544.8	*83.7*	91.7	*14.1*	14.0	*2.2*	- -	650.5	*100.0*	DATA NOT AVAILABLE AT PUBLICATION TIME											
1989	488.3	*82.4*	90.2	*15.2*	14.2	*2.4*	- -	592.7	*100.0*												
1990	382.5	*79.6*	88.3	*18.4*	9.6	*2.0*	- -	480.4	*100.0*												

SOURCES OF DATA, ARRANGED BY COLUMN NUMBER ( ):

1 - 16: ***Fiber Organon***, January 1992 and earlier editions.

18: **International Cotton Advisory Committee, *Cotton: World Statistics*,** Vol. 45, No. 1, October 1991. Cotton refers to ginned raw cotton. It does not refer to waste or cotton fibers subjected to any other process. Data are for the cotton year ending July 31, 1990.

19: **Commonwealth Secretariat, *Wool Statistics*,** 1990 - 1991. Wool refers to virgin wool, clean basis, at the spinning stage.

22, 23, 25, 26, 28 & 29: Food and Agriculture Organization of the United Nations, Some data are preliminary.

CERTAIN TOTALS IN THE TABLES:

(Obvious totals such as columns 1+2=3, 4+5=6, etc. are not described here.)

8:	Columns 3 + 6 - 7
16:	Columns 11 + 14 - 15
17:	Columns 8 + 16
24:	Columns 17 + 22 - 23
27:	Columns 18 + 25 - 26
30:	Columns 19 + 28 - 30

TABLE 12:
CANADIAN MILL CONSUMPTION OF MANUFACTURED FIBER, COTTON, & WOOL

MILLION POUNDS & *PERCENT*

YEAR	GRAND TOTAL		COTTON[b]		WOOL[c]		MANUFACTURED FIBER[a]		MANUFACTURED FIBER DETAIL			
									ARTIFICIAL (CELL.) TOTAL[d]		SYNTHETIC (NONCELL.) TOTAL[d]	
	LB	%	LB	%	LB	%	LB	%	LB	%	LB	%
1980	605.3	*100.0*	130.1	*21.5*	10.9	*1.8*	464.3	*76.7*	64.6	*10.7*	399.7	*66.0*
1981	535.2	*100.0*	132.3	*24.7*	15.0	*2.8*	387.9	*72.5*	58.3	*10.9*	329.6	*61.6*
1982	475.4	*100.0*	88.2	*18.5*	11.7	*2.5*	375.5	*79.0*	83.2	*17.5*	292.3	*61.5*
1983	560.3	*100.0*	121.3	*21.7*	14.7	*2.6*	424.3	*75.7*	60.0	*10.7*	364.3	*65.0*
1984	579.8	*100.0*	121.3	*20.9*	14.4	*2.5*	444.1	*76.6*	58.5	*10.1*	385.6	*66.5*
1985	594.8	*100.0*	105.8	*17.8*	16.1	*2.7*	472.9	*79.5*	52.9	*8.9*	420.0	*70.6*
1986	685.4	*100.0*	119.0	*17.3*	17.6	*2.6*	548.8	*80.1*	69.2	*10.1*	479.6	*70.0*
1987	661.3	*100.0*	94.8	*14.3*	15.3	*2.3*	551.2	*83.4*	50.9	*7.7*	500.3	*75.7*
1988	650.5	*100.0*	91.7	*14.0*	14.0	*2.2*	544.8	*83.8*	49.2	*7.6*	495.6	*76.2*
1989	592.7	*100.0*	90.2	*15.2*	14.2	*2.4*	488.3	*82.4*	64.6	*10.9*	423.7	*71.5*
1990	480.4	*100.0*	88.3	*18.4*	9.6	*2.0*	382.5	*79.6*	39.0	*8.1*	343.5	*71.5*

a. Manufactured fiber data are from ***Fiber Organon***, January 1992 and earlier editions.
The data show the manufactured net available supply, which approximates mill consumptions.

b. **Source: International Cotton Advisory Committee, *Cotton: World Statistics*,** Vol. 45, No. 1, October 1991 issue. Cotton refers to ginned raw cotton. It does not refer to waste or cotton fibers subjected to any other process. Data are for the cotton year ending July 31, 1990.

c. **Source: Commonwealth Secretariat, *Wool Statistics*,** 1990 - 1991. Wool refers to virgin wool, clean basis, at the spinning stage.

d. Including yarn, staple+tow and spun yarn.

TABLE 13:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1992												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	157	66	48										271	161
BELGIUM	100	0	98										198	28
BRAZIL	54	105	79										238	301
CANADA	1201	1053	1475										3729	2060
CHILE	0	0	0										0	110
GERMANY	1791	2639	816										5246	1642
JAPAN	176	86	161										423	359
MEXICO	107	70	105										282	307
NETHERLANDS	254	262	157										673	730
UNITED KINGDOM	383	297	416										1096	86
ALL OTHER COUNTRIES [a]	8	11	20										39	79
TOTAL ARTIFICIAL YARN	**4231**	**4589**	**3375**										**12195**	**5863**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	1567	1396	1473										4436	3924
CANADA	4675	4144	4333										13152	9110
CHINA, PRC	0	0	0										0	572
FINLAND	424	744	473										1641	877
GERMANY	41	38	0										79	561
JAPAN	85	25	68										178	406
TAIWAN	220	0	287										507	3790
THAILAND	189	189	186										564	2312
UNITED KINGDOM	702	322	456										1480	1726
YUGOSLAVIA	298	0	128										426	3172
ALL OTHER COUNTRIES [b]	483	541	721										1745	429
TOTAL ARTIFICIAL STAPLE+TOW	**8684**	**7399**	**8125**										**24208**	**26879**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	3	39	31										73	379
BRAZIL	0	5	11										16	0
CANADA	4980	3882	3597										12459	10002
COSTA RICA	485	465	393										1343	1652
ECUADOR	0	0	0										0	68
FRANCE	1128	435	656										2219	2000
GERMANY	1433	2244	1807										5484	4848
IRELAND	78	105	334										517	481
ISRAEL	294	338	210										842	339
ITALY	209	113	119										441	244
JAPAN	1687	1635	1595										4917	3157
KOREA, REP. OF	179	58	159										396	325
MEXICO	1047	1554	1449										4050	4420
NETHERLANDS	412	362	667										1441	810
TAIWAN	680	547	37										1264	225
THAILAND	107	79	109										295	193
UNITED KINGDOM	2218	2464	3076										7758	5706
ALL OTHER COUNTRIES [c]	827	873	800										2500	215
TOTAL SYNTHETIC YARN	**15767**	**15198**	**15050**										**46015**	**35064**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	22	13	12										47	57
AUSTRALIA	31	24	50										105	218
BRAZIL	2	0	0										2	309
CANADA	3647	4089	5469										13205	3492
FRANCE	551	409	401										1361	1243
GERMANY	1983	2109	2302										6394	4268
INDIA	93	47	262										402	7151
IRELAND	468	43	427										938	0
ITALY	291	56	28										375	303
JAPAN	2184	3017	2863										8064	6663
KOREA, REP. OF	7466	4228	9395										21089	18295
MALAYSIA	88	44	0										132	95
MEXICO	1981	1579	1690										5250	5108
SPAIN	62	64	104										230	36
SWITZERLAND	364	144	234										742	554
TAIWAN	4520	5903	5818										16241	6911
TURKEY	127	240	491										858	2
UNITED KINGDOM	1444	1677	1439										4560	4206
ALL OTHER COUNTRIES [d]	194	36	81										311	253
TOTAL SYNTHETIC STAPLE+TOW	**25518**	**23722**	**31066**										**80306**	**59164**

a. France 18, India 13, Uruguay 3, Italy 2, Taiwan 2, China, PRC 1.

b. Spain 574, Brazil 571, Sweden 441, Belgium 44, Poland 43, Czechoslovakia 40, France 31, Italy 1.

c. South Africa 1349, Spain 285, Switzerland 258, Portugal 160, Australia 146, India 139, Turkey 76, Austria 46, Sweden 12, Yugoslavia 11, Hong Kong 8, Denmark 3, China, PRC 2, Colombia 2, Greece 2, Argentina 1.

d. Israel 55, Denmark 52, Belgium 45, Hong Kong 44, Colombia 41, Romania 29, South Africa 23, CIS 15, Netherlands 5, China, PRC 2.

TABLE 14:
U.S. MANUFACTURED FIBER IMPORTS[a]
THOUSAND POUNDS

ITEM	1992												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	1583	2545	606										4734	652
TEXTURED	0	0	13										13	0
OTHER	2637	2044	2756										7437	5206
MONOFILAMENTS & STRIPS	11	0	0										11	5
SUBTOTAL ABOVE	**4231**	**4589**	**3375**										**12195**	**5863**
STAPLE	8581	7288	7938										23807	26199
TOW	103	111	187										401	680
TOPS	0	0	0										0	0
SUBTOTAL ABOVE	**8684**	**7399**	**8125**										**24208**	**26879**
WASTE	**0**	**46**	**47**										**93**	**216**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	913	980	950										2843	5268
TEXTURED														
UP TO 450 DENIER	411	517	424										1352	780
OVER 450 DENIER	3249	1978	1764										6991	4540
POY	2498	3305	3987										9790	6698
OTHER	2245	1850	1791										5886	2435
MONOFILAMENTS & STRIPS	172	165	112										449	353
SUBTOTAL ABOVE	**9488**	**8795**	**9028**										**27311**	**20074**
POLYESTER														
HIGH TENACITY	1142	1602	1593										4337	2144
TEXTURED	630	854	835										2319	2204
POY	728	634	302										1664	580
OTHER	1229	1433	1192										3854	5089
MONOFILAMENTS & STRIPS	38	75	29										142	102
SUBTOTAL ABOVE	**3767**	**4598**	**3951**										**12316**	**10119**
OTHER SYNTHETIC FILAMENT														
TEXTURED	212	93	72										377	517
OTHER	1496	1096	1231										3823	2878
MONOFILAMENTS & STRIPS	804	616	768										2188	1476
SUBTOTAL ABOVE	**2512**	**1805**	**2071**										**6388**	**4871**
STAPLE														
NYLON	2554	2136	3403										8093	5260
POLYESTER	17422	15430	20302										53154	41204
ACRYLIC	1607	1450	2326										5383	2628
POLYPROPYLENE	168	77	268										513	802
OTHER	265	320	258										843	905
TOW														
NYLON	701	503	688										1892	1217
POLYESTER	35	78	122										235	342
ACRYLIC	2009	2686	2324										7019	6535
OTHER	0	39	22										61	75
TOPS	757	1003	1353										3113	196
SUBTOTAL ABOVE	**25518**	**23722**	**31066**										**80306**	**59184**
WASTE														
NYLON	791	1083	1481										3355	5161
POLYESTER	1022	1149	1194										3365	4023
OTHER	606	633	681										1920	1315
TOTAL MANUFACTURED FIBERS ABOVE	**56619**	**53819**	**61019**										**171457**	**137685**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	251	136	213										600	310
SPUN YARN	318	277	317										912	1336
SPUN YARNS														
SYNTHETIC	922	559	702										2183	2020
ARTIFICIAL	0	0	0										0	0
PUT UP FOR RETAIL SALE	48	28	20										96	191
GRAND TOTAL ABOVE	**58158**	**54819**	**62271**										**175248**	**141542**

SOURCE: U.S. Census Bureau Report 'M145X.

a. U.S. General Imports.

TABLE 15:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

	1992												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	13	1	1										15	681
TEXTURED	7	61	13										81	150
OTHER	247	176	191										614	412
MONOFILAMENTS & STRIPS	19	42	100										161	52
SUBTOTAL ABOVE	**286**	**280**	**305**										**871**	**1295**
STAPLE	1371	1087	1047										3505	2298
TOPS	1910	479	218										2607	18
SUBTOTAL ABOVE	**3281**	**1566**	**1265**										**6112**	**2316**
WASTE	**229**	**656**	**528**										**1413**	**3199**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	4619	5521	5465										15605	25504
TEXTURED														
UP TO 450 DENIER	923	786	816										2525	3590
OVER 450 DENIER	6214	4125	4665										15004	12238
POY	52	80	198										330	201
OTHER	3119	3582	3893										10594	9378
MONOFILAMENTS & STRIPS	29	32	29										90	97
SUBTOTAL ABOVE	**14956**	**14126**	**15066**										**44148**	**51006**
POLYESTER														
HIGH TENACITY	4556	3556	4228										12340	16863
TEXTURED	5546	6616	8101										20263	16401
POY	884	1205	1232										3321	3558
OTHER	629	768	745										2142	6464
MONOFILAMENTS & STRIPS	113	95	99										307	453
SUBTOTAL ABOVE	**11728**	**12240**	**14405**										**38373**	**43739**
OTHER SYNTHETIC FILAMENT														
TEXTURED	596	338	407										1341	1850
OTHER	1569	1395	2521										5485	6654
MONOFILAMENTS & STRIPS	967	954	1275										3196	3379
SUBTOTAL ABOVE	**3132**	**2687**	**4203**										**10022**	**11883**
STAPLE														
NYLON	2465	2456	2976										7897	5936
POLYESTER	7763	8890	7719										24372	24901
ACRYLIC	1251	1310	1982										4543	7233
POLYPROPYLENE	3041	3740	5748										12529	7076
OTHER	454	266	323										1043	4374
TOW														
NYLON	340	361	359										1060	590
POLYESTER	108	7	43										158	91
ACRYLIC	556	557	630										1743	3644
OTHER	1	16	4										21	417
TOPS	9392	6332	3304										19028	22848
SUBTOTAL ABOVE	**25371**	**23935**	**23088**										**72394**	**77110**
WASTE														
NYLON	2800	2293	1940										7033	9316
POLYESTER	3787	4239	4659										12685	13782
OTHER	6168	5955	4627										17750	20503
TOTAL MANUFACTURED FIBERS ABOVE	**71738**	**67977**	**71086**										**210801**	**234151**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	610	560	819										1989	2587
SPUN YARN	278	1332	635										2245	610
SPUN YARNS														
SYNTHETIC	2140	1933	2542										6615	3581
ARTIFICIAL	526	355	508										1389	484
PUT UP FOR RETAIL SALE	2727	2230	3082										8039	5577
GRAND TOTAL ABOVE	**78019**	**74387**	**78672**										**231078**	**246970**

SOURCE: U.S. Census Bureau Report EM522.

TABLE 16:
QUARTERLY MANUFACTURED FIBER DATA

MILLION POUNDS

ITEM	1990					1991					1992				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS									
ARTIFICIAL (CELLULOSIC) YARN [c]															
PRODUCTION	**46.8**	**52.3**	**53.6**	**53.5**	**206.2**	**48.0**	**55.4**	**54.5**	**55.3**	**213.2**	**52.6**				
SHIPMENTS - DOMESTIC	40.1	43.3	45.3	44.0	172.7	38.7	47.7	46.3	47.2	179.9	43.1				
- EXPORT	7.8	9.1	8.7	8.4	34.0	8.7	8.3	7.8	7.5	32.3	9.0				
TOTAL SHIPMENTS	**47.9**	**52.4**	**54.0**	**52.4**	**206.7**	**47.4**	**56.0**	**54.1**	**54.7**	**212.2**	**52.1**				
ENDING STOCK	**8.8**	**8.7**	**8.3**	**9.4**		**10.0**	**9.4**	**9.8**	**10.4**		**10.9**				
IMPORTS	5.3	6.2	6.5	6.2	24.2	5.9	6.4	7.9	10.6	30.8	12.2				
TOTAL AVAILABLE	**45.4**	**49.5**	**51.8**	**50.2**	**196.9**	**44.6**	**54.1**	**54.2**	**57.8**	**210.7**	**55.3**				
NYLON															
PRODUCTION	**428.3**	**438.1**	**408.2**	**397.3**	**1671.9**	**383.9**	**410.0**	**430.9**	**441.4**	**1666.2**	**414.6**				
SHIPMENTS - DOMESTIC	382.5	383.2	377.8	394.0	1537.5	327.1	386.7	407.7	372.4	1493.9	380.9				
- EXPORT	37.9	38.4	43.0	39.5	158.8	37.4	35.2	32.2	35.3	140.1	37.7				
TOTAL SHIPMENTS	**420.4**	**421.6**	**420.8**	**433.5**	**1696.3**	**364.5**	**421.9**	**439.9**	**407.7**	**1634.0**	**418.6**				
ENDING STOCK	**160.3**	**176.8**	**164.2**	**128.0**		**147.4**	**135.5**	**126.5**	**160.2**		**156.2**				
OLEFIN [a]															
PRODUCTION	**339.7**	**366.7**	**359.5**	**350.7**	**1416.6**	**321.9**	**353.6**	**369.3**	**363.4**	**1408.2**	**344.1**				
SHIPMENTS - DOMESTIC	335.8	365.4	356.5	347.2	1404.9	312.0	353.0	361.3	354.3	1380.6	339.6				
- EXPORT	4.6	5.5	5.6	5.7	21.4	5.2	8.4	5.2	5.5	24.3	6.8				
TOTAL SHIPMENTS	**340.4**	**370.9**	**362.1**	**352.9**	**1426.3**	**317.2**	**361.4**	**366.5**	**359.8**	**1404.9**	**346.4**				
ENDING STOCK	**65.4**	**61.2**	**58.6**	**56.4**		**61.1**	**53.3**	**56.1**	**59.7**		**57.4**				
POLYESTER															
PRODUCTION	**262.1**	**280.0**	**267.7**	**295.4**	**1105.2**	**288.2**	**302.6**	**300.0**	**317.1**	**1207.9**	**303.9**				
SHIPMENTS - DOMESTIC	241.7	271.9	259.9	272.7	1046.2	249.1	283.7	287.3	293.9	1114.0	292.8				
- EXPORT	16.7	20.9	19.2	28.1	84.9	23.2	22.3	17.8	19.2	82.5	13.7				
TOTAL SHIPMENTS	**258.4**	**292.8**	**279.1**	**300.8**	**1131.1**	**272.3**	**306.0**	**305.1**	**313.1**	**1196.5**	**306.5**				
ENDING STOCK	**149.4**	**136.6**	**125.2**	**119.8**		**135.7**	**132.3**	**127.2**	**131.2**		**128.6**				
TOTAL SYNTHETIC (NONCELLULOSIC) ABOVE															
PRODUCTION	**1030.1**	**1084.8**	**1035.4**	**1043.4**	**4193.7**	**994.0**	**1066.2**	**1100.2**	**1121.9**	**4282.3**	**1062.6**				
SHIPMENTS - DOMESTIC	960.0	1020.5	994.2	1013.9	3988.6	888.2	1023.4	1056.3	1020.6	3988.5	1013.3				
- EXPORT	59.2	64.8	67.8	73.3	265.1	65.8	65.9	55.2	60.0	246.9	58.2				
SHIPMENTS	**1019.2**	**1085.3**	**1062.0**	**1087.2**	**4253.7**	**954.0**	**1089.3**	**1111.5**	**1080.6**	**4235.4**	**1071.5**				
ENDING STOCK	**375.1**	**374.6**	**348.0**	**304.2**		**344.2**	**321.1**	**309.8**	**351.1**		**342.2**				
DOMESTIC SHIPMENTS	960.0	1020.5	994.2	1013.9	3988.6	888.2	1023.4	1056.3	1020.6	3988.5	1013.3				
IMPORTS -TEXTURED YARN [b]	14.4	19.8	18.9	9.9	63.0	8.0	11.5	12.2	15.8	47.5	11.0				
- OTHER YARN [b]	24.6	20.2	18.4	19.8	83.0	25.2	28.7	29.8	34.1	117.8	32.2				
- MONOFILAMENTS	2.5	2.3	2.0	1.9	8.7	1.9	2.1	2.8	2.7	9.5	2.8				
TOTAL IMPORTS	41.5	42.3	39.3	31.6	154.7	35.1	42.3	44.8	52.6	174.8	46.0				
TOTAL AVAILABLE	**1001.5**	**1062.8**	**1033.5**	**1045.5**	**4143.3**	**923.3**	**1065.7**	**1101.1**	**1073.2**	**4163.3**	**1059.3**				
						GLASS FIBER									
TOTAL SHIPMENTS	**374.5**	**414.6**	**388.3**	**341.7**	**1519.1**	**335.3**	**391.7**	**396.8**	**364.7**	**1488.5**	**389.2**				

FOOTNOTES FOR TABLE ABOVE & OPPOSITE:

"Imports" are general imports, as reported by the U.S. Census Bureau.

a. Also include film fiber as well as spunbonded polypropylene.

b. Includes singles and plied.

c. Includes both rayon & acetate yarn.

TABLE 16:
QUARTERLY MANUFACTURED FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1990					1991					1992				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						STAPLE+TOW									
RAYON															
PRODUCTION	**73.3**	**72.0**	**74.2**	**79.6**	**299.1**	**67.4**	**68.7**	**69.7**	**67.5**	**273.3**	**66.6**				
SHIPMENTS -DOMESTIC	77.6	71.6	72.3	70.2	291.7	57.2	67.1	68.8	62.4	255.5	65.3				
-EXPORT	4.1	4.3	2.8	1.3	12.5	1.5	2.7	2.1	1.8	8.1	1.4				
TOTAL SHIPMENTS	**81.7**	**75.9**	**75.1**	**71.5**	**304.2**	**58.7**	**69.8**	**70.9**	**64.2**	**263.6**	**66.7**				
ENDING STOCK	**14.0**	**10.1**	**9.2**	**17.3**		**26.0**	**24.9**	**23.7**	**27.0**		**26.9**				
DOMESTIC SHIPMENTS	77.6	71.6	72.3	70.2	291.7	57.2	67.1	68.8	62.4	255.5	65.3				
IMPORTS FOR CONSUMPTION															
STAPLE GROUPED FILAMENTS	18.9	23.9	35.4	33.4	111.6	26.9	20.3	23.3	21.5	92.0	24.2				
TOTAL IMPORTS	18.9	23.9	35.4	33.4	111.6	26.9	20.3	23.3	21.5	92.0	24.2				
TOTAL AVAILABLE	**96.5**	**95.5**	**107.7**	**103.6**	**403.3**	**84.1**	**87.4**	**92.1**	**83.9**	**347.5**	**89.5**				
NYLON															
PRODUCTION	**237.0**	**273.0**	**242.8**	**236.8**	**989.6**	**200.6**	**206.4**	**237.2**	**224.6**	**868.8**	**199.1**				
SHIPMENTS -DOMESTIC	242.6	243.1	235.7	228.8	950.2	179.1	219.5	233.1	203.3	835.0	206.5				
-EXPORT	7.1	6.5	6.1	4.8	24.5	6.5	7.1	7.1	6.8	27.5	7.1				
TOTAL SHIPMENTS	**249.7**	**249.6**	**241.8**	**233.6**	**974.7**	**185.6**	**226.6**	**240.2**	**210.1**	**862.5**	**213.6**				
ENDING STOCK	**37.1**	**60.5**	**61.5**	**64.7**		**79.7**	**59.5**	**56.5**	**71.0**		**56.5**				
IMPORTS	12.4	9.9	9.9	8.9	41.1	6.5	7.8	9.8	9.7	33.8	10.0				
TOTAL AVAILABLE	**255.0**	**253.0**	**245.6**	**237.7**	**991.3**	**185.6**	**227.3**	**242.9**	**213.0**	**868.8**	**216.5**				
ACRYLIC+MODACRYLIC															
PRODUCTION	**129.6**	**136.9**	**129.0**	**110.3**	**505.8**	**103.0**	**116.4**	**119.8**	**114.7**	**453.9**	**109.3**				
SHIPMENTS -DOMESTIC	98.8	94.0	84.0	75.4	352.2	76.1	87.1	82.8	73.2	319.2	83.7				
-EXPORT	24.5	32.5	42.2	49.2	148.4	30.7	26.6	27.3	43.3	127.9	24.4				
TOTAL SHIPMENTS	**123.3**	**126.5**	**126.2**	**124.6**	**500.6**	**106.8**	**113.7**	**110.1**	**116.5**	**447.1**	**108.1**				
ENDING STOCK	**72.8**	**83.2**	**86.0**	**71.7**		**67.9**	**70.6**	**80.3**	**78.5**		**79.7**				
IMPORTS	12.6	9.6	6.8	8.8	37.8	9.2	10.0	8.7	10.1	38.0	12.4				
TOTAL AVAILABLE	**111.4**	**103.6**	**90.8**	**84.2**	**390.0**	**85.3**	**97.1**	**91.5**	**83.3**	**357.2**	**96.1**				
OLEFIN															
PRODUCTION	**96.9**	**105.3**	**102.8**	**100.5**	**405.5**	**102.2**	**115.3**	**117.0**	**124.0**	**458.5**	**120.1**				
SHIPMENTS -DOMESTIC	94.0	102.0	96.8	95.1	387.9	97.1	110.6	115.0	114.8	437.5	109.4				
-EXPORT	6.0	6.2	6.3	4.2	22.7	3.1	6.1	5.6	3.9	18.7	4.4				
TOTAL SHIPMENTS	**100.0**	**108.2**	**103.1**	**99.3**	**410.6**	**100.2**	**116.7**	**120.6**	**118.7**	**456.2**	**113.8**				
ENDING STOCK	**31.5**	**28.6**	**28.3**	**29.5**		**31.5**	**30.1**	**26.5**	**31.8**		**38.1**				
POLYESTER															
PRODUCTION	**520.9**	**545.5**	**487.9**	**535.6**	**2089.9**	**505.2**	**524.6**	**568.7**	**604.4**	**2202.9**	**579.5**				
SHIPMENTS -DOMESTIC	502.6	510.8	494.3	507.7	2015.4	467.9	525.5	548.5	586.0	2127.9	560.4				
-EXPORT	15.3	15.2	19.0	33.8	83.3	26.4	29.1	24.3	23.9	103.7	24.6				
TOTAL SHIPMENTS	**517.9**	**526.0**	**513.3**	**541.5**	**2098.7**	**494.3**	**554.6**	**572.8**	**609.9**	**2231.6**	**585.0**				
ENDING STOCK	**192.9**	**212.4**	**187.0**	**181.1**		**192.0**	**162.0**	**157.9**	**152.4**		**146.9**				
IMPORTS	24.9	30.3	30.2	37.8	123.2	41.5	43.9	40.0	54.4	179.8	53.4				
TOTAL AVAILABLE	**527.5**	**541.1**	**524.5**	**545.5**	**2138.6**	**509.4**	**569.4**	**588.5**	**640.4**	**2307.7**	**613.8**				
TOTAL SYNTHETIC (NONCELLULOSIC)															
PRODUCTION	**984.4**	**1060.7**	**962.5**	**983.2**	**3990.8**	**911.0**	**962.7**	**1042.7**	**1067.7**	**3984.1**	**1008.0**				
SHIPMENTS -DOMESTIC	938.0	949.9	910.8	907.0	3705.7	820.2	942.7	979.4	977.3	3719.6	960.0				
-EXPORT	52.9	60.4	73.6	92.0	278.9	66.7	68.9	64.3	77.9	277.8	60.5				
TOTAL SHIPMENTS	**990.9**	**1010.3**	**984.4**	**999.0**	**3984.6**	**886.9**	**1011.6**	**1043.7**	**1055.2**	**3997.4**	**1020.5**				
ENDING STOCK	**334.3**	**384.7**	**362.8**	**347.0**		**371.1**	**322.2**	**321.2**	**333.7**		**321.2**				
DOMESTIC SHIPMENTS	938.0	949.9	910.8	907.0	3705.7	820.2	942.7	979.4	977.3	3719.6	960.0				
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE	49.9	49.8	46.9	55.5	202.1	57.2	61.7	58.5	74.2	251.6	75.8				
OTHER N.C. STAPLE GROUPED FILAMENTS	2.5	1.7	1.7	1.8	7.7	2.0	1.9	3.4	4.2	11.5	4.5				
TOTAL IMPORTS	52.4	51.5	48.6	57.3	209.8	59.2	63.6	61.9	78.4	263.1	80.3				
TOTAL AVAILABLE	**990.4**	**1001.4**	**959.4**	**964.3**	**3915.5**	**879.4**	**1006.3**	**1041.3**	**1055.7**	**3982.7**	**1040.3**				

See footnotes on opposite page.

TABLE 17:
SELECTED U.S. MONTHLY FIBER DATA
MILLION POUNDS

ITEM	1992												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
	MANUFACTURED FIBER TOTAL SHIPMENTS [b][c]													
ARTIFICIAL (CELLULOSIC)														
YARN	16.8	17.9	17.4	21.7									73.8	67.7
RAYON STAPLE	23.0	21.0	22.7	19.8									86.5	80.1
TOTAL ARTIFICIAL (CELLULOSIC)	**39.8**	**38.9**	**40.1**	**41.5**									**160.3**	**147.8**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL [d]	25.2	23.2	28.8	27.7									104.9	111.7
- CARPET	82.4	77.9	86.2	92.7									339.2	268.0
- TEXTILE [f]	33.9	29.2	31.8	30.5									125.4	125.9
POLYESTER - INDUSTRIAL [d]	30.4	28.6	31.4	34.7									125.1	107.6
- TEXTILE [f]	71.2	67.8	77.1	81.1									297.2	269.7
OLEFIN [e]	110.0	115.0	121.4	124.3									470.7	436.4
TOTAL YARN	**353.1**	**341.7**	**376.7**	**391.0**									**1462.5**	**1319.3**
STAPLE+TOW+FIBERFILL														
NYLON	70.8	63.5	79.3	86.3									299.9	263.7
ACRYLIC+MODACRYLIC	35.1	33.5	39.5	39.5									147.6	141.0
POLYESTER	195.1	186.8	203.1	209.0									794.0	686.0
OLEFIN	36.0	38.4	39.4	38.3									152.1	138.7
TOTAL STAPLE	**337.0**	**322.2**	**361.3**	**373.1**									**1393.6**	**1229.4**
TOTAL SYNTHETIC (NONCELLULOSIC)	**690.1**	**663.9**	**738.0**	**764.1**									**2856.1**	**2548.7**
TOTAL MANUFACTURED FIBER	**729.9**	**702.8**	**778.1**	**805.6**									**3016.4**	**2696.5**
	MANUFACTURED FIBER END-OF-MONTH STOCK													
ARTIFICIAL (CELLULOSIC)														
YARN	11.3	11.2	10.9	11.5									11.5	9.6
RAYON STAPLE	25.6	25.7	26.9	30.7									30.7	26.6
TOTAL ARTIFICIAL (CELLULOSIC)	**36.9**	**36.9**	**37.8**	**42.2**									**42.2**	**36.2**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL [d]	30.7	29.6	24.5	22.8									22.8	26.9
- CARPET	82.8	81.3	79.0	71.7									71.7	66.3
- TEXTILE [f]	43.4	48.6	52.7	50.0									50.0	45.6
POLYESTER - INDUSTRIAL [d]	34.6	35.9	34.5	33.5									33.5	44.6
- TEXTILE [f]	98.0	98.7	94.1	80.2									80.2	90.5
OLEFIN [e]	58.8	59.5	57.4	54.4									54.4	59.8
TOTAL YARN	**348.3**	**353.6**	**342.2**	**312.6**									**312.6**	**333.7**
STAPLE+TOW+FIBERFILL														
NYLON	64.0	63.5	56.5	51.0									51.0	68.2
ACRYLIC+MODACRYLIC	82.3	83.1	79.7	75.2									75.2	72.1
POLYESTER	144.3	147.3	146.9	137.7									137.7	185.8
OLEFIN	33.6	35.3	38.1	41.4									41.4	33.3
TOTAL STAPLE	**324.2**	**329.2**	**321.2**	**305.3**									**305.3**	**359.4**
TOTAL SYNTHETIC (NONCELLULOSIC)	**672.5**	**682.8**	**663.4**	**617.9**									**617.9**	**693.1**
TOTAL MANUFACTURED FIBER	**709.4**	**719.7**	**701.2**	**660.1**									**660.1**	**729.3**
	COTTON CONSUMPTION													
RAW COTTON	369.5	383.0	495.5										1248.0	1032.9
	WOOL CONSUMPTION [g]													
	1ST QUARTER			2ND QUARTER			3RD QUARTER			4TH QUARTER				
APPAREL CLASS WOOL														
CARPET CLASS WOOL														
TOTAL RAW WOOL														

a. "Year to date" totals for stock, are the latest month's figures.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic shipments plus export shipments.

d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

f. Includes low denier industrial yarn.

g. **Wool data available on a quarterly basis only.**

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FIBER ORGANON

Volume 63, No. 6 ☐ June 1992 A publication of *Fiber Economics Bureau, Inc.*

WORLDWIDE MANUFACTURED FIBER SURVEY

Highlights

- Worldwide Survey -

    Fiber Demand
    Production and Producing Capacities
    Utilization Rates
    Olefin Fiber Production

Featuring...

Our annual survey of worldwide manufactured fiber production and planned capacity.

Worldwide data in this issue are reported in thousand metric tons. The production and capacity tables will be published again in the July issue in millions of pounds. Country data on available supply will be published in the ***Fiber Organon*** as soon as information is available.

Data for previous years for most of the tables in this issue can be found in the ***Textile Organon Base Book*** (1962) and subsequent June issues of the ***Textile Organon*** and ***Fiber Organon.*** The cotton demand figures shown in the table on page 99 are based on worldwide consumption rather than production, to eliminate problems from wide swings in cotton inventories.

New - - - - now available

WORLD DIRECTORY OF MANUFACTURED FIBER PRODUCERS FIRST EDITION

The Fiber Economics Bureau, Inc. announces publication of the first edition of its new ***World Directory of Manufactured Fiber Producers.***

Over 2 years in the making, this comprehensive directory lists over 800 manufactured fiber producers in 70 countries. The company section provides full address, telephone and fax numbers, their product lines, generic fibers, plant location and trade names for each firm.

The directory has been compiled from reports from foreign manufactured fiber associations, production companies and individuals, as well as the U.S. Foreign Commercial Service posts of the International Trade Administration of the U.S. Department of Commerce.

The purchase price for the ***World Directory of Manufactured Fiber Producers*** is $300.00. An order form can be found at the back of this issue.

For more information, contact Fiber Economics Bureau, Inc., 101 Eisenhower Parkway, Roseland, NJ 07068. Telephone: (201) 228-1107 or Fax: (201) 228-7598.

Fiber Organon

A Monthly Review

June 1992

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TABLE 1:
WORLDWIDE DEMAND FOR CERTAIN FIBERS
THOUSAND METRIC TONS

TYPE OF FIBER	1987	1988	1989	1990	1991	% CHANGE 1991 /1990
ARTIFICIAL (CELLULOSIC) FIBERS						
YARN+MONOFILAMENTS	911	942	920	878	832	*-5.2*
STAPLE+TOW	1914	1937	1994	1858	1682	*-9.5*
TOTAL ARTIFICIAL (CELLULOSIC)	**2825**	**2879**	**2914**	**2736**	**2514**	***-8.1***
SYNTHETIC (NONCELLULOSIC) FIBERS						
YARN+MONOFILAMENTS	6040	6553	6825	7022	7181	*+2.3*
STAPLE+TOW	7701	7825	7945	7880	7976	*+1.2*
TOTAL SYNTHETIC (NONCELLULOSIC)	**13741**	**14378**	**14770**	**14902**	**15157**	***+1.7***
TOTAL MANUFACTURED [a]	**16566**	**17257**	**17684**	**17638**	**17671**	***+0.2***
% of World Total	*45%*	*46%*	*46%*	*46%*	*46%*	
NATURAL FIBERS						
RAW COTTON [b]	18243	18484	18733	18714	18650	*-0.3*
RAW WOOL [c]	1771	1812	1867	1955	1954	*-0.1*
RAW SILK [d]	63	64	66	66	67	*+1.5*
TOTAL NATURAL	**20077**	**20360**	**20666**	**20735**	**20671**	***-0.3***
% of World Total	*55%*	*54%*	*54%*	*54%*	*54%*	
WORLD TOTAL	**36643**	**37617**	**38350**	**38373**	**38342**	***-0.1***
World Total %	*100%*	*100%*	*100%*	*100%*	*100%*	

The silk and manufactured fiber data are on a calendar year basis, while the figures for cotton and wool are on a seasonal basis.

[a] Manufactured fiber data are from tables 4 and 5. Glass fiber, olefin and acetate cigarette tow production are not included.

[b] International Cotton Advisory Committee. ***Cotton: Review of the World Situation,*** March - April 1992. New series based on cotton consumption data.

[c] Commonwealth Secretariat. ***Wool Statistics 1990-91,*** on a clean wool basis. See also the December 1991 ***Fiber Organon,*** page 291.

[d] International Silk Association; Food and Agriculture Organization of the United Nations.

TABLE 2:
WORLDWIDE GLASS FIBER PRODUCTION & PRODUCING CAPACITY
THOUSAND METRIC TONS

COUNTRY	PRODUCTION					CAPACITY	
	1987	1988	1989	1990	1991	3/92	12/93
WEST EUROPE EAST EUROPE [a]	407	465	470	445	441	*570*	*653*
U.S.A.	725	730	735	675	650	*872*	*919*
OTHER AMERICAS	50	65	65	60	75	*100*	*105*
JAPAN	300	340	345	371	293	*341*	*341*
MIDDLE EAST, AFRICA & OCEANIA [b]	35	55	65	80	102	*120*	*180*
TOTAL ABOVE	**1517**	**1655**	**1680**	**1631**	**1561**	***2003***	***2198***
CHINA, PRC	55	65	70	75	65	*110*	*130*
C.I.S.	110	125	133	120	133	*190*	*190*

Glass fiber is defined on page 117 of this issue. The glass fiber producing capacity is based on March 1992 and December 1993 annual projections.

[a] The data for East Europe do not include estimates for the C.I.S.

[b] The Other Asia, Africa & Oceania countries are Australia, India, Korea, Rep. of, South Africa and Taiwan.

TABLE 3:
ESTIMATED WORLDWIDE CIGARETTE TOW PRODUCTION
THOUSAND METRIC TONS

AREA	1987	1988	1989	1990	1991
EUROPE [a]	107	114	118	120	120
U.S.A. OTHER AMERICAS [b]	247	249	265	274	279
ASIA [c]	46	49	55	58	69
CHINA, PRC	0	0	5	12	12
WORLD TOTAL	**400**	**412**	**443**	**464**	**480**

[a] Belgium, C.I.S., Germany & United Kingdom.

[b] Brazil, Canada, Colombia, Mexico & Venezuela.

[c] Japan and Korea, Rep. of.

TABLE 4:
WORLDWIDE SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN
THOUSAND METRIC TONS

	ACTUAL PRODUCTION								
	1987			1988			1989		
COUNTRY	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE									
AUSTRIA	0	15.7	15.7	0	16.7	16.7	0	17.4	17.4
BENELUX[a]	74.0	33.0	107.0	76.9	33.6	110.5	80.0	40.0	120.0
FINLAND	0.1	0	0.1	0.1	0	0.1	0.2	0	0.2
FRANCE	56.8	104.2	161.0	58.4	116.4	174.8	58.4	106.6	165.0
GERMANY[b]	355.3	404.0	759.3	359.9	391.2	751.1	355.0	420.0	775.0
GREECE	9.4	10.0	19.4	9.5	9.5	19.0	10.2	8.0	18.2
IRELAND	11.0	63.0	74.0	13.5	65.7	79.2	16.7	73.3	90.0
ITALY/MALTA	171.0	393.6	564.6	186.6	377.6	564.2	195.0	345.0	540.0
PORTUGAL	0	57.8	57.8	0	54.3	54.3	0	55.8	55.8
SPAIN	80.5	188.0	268.5	79.6	185.8	265.4	79.3	175.7	255.0
SWITZERLAND	66.2	22.1	88.3	72.8	27.4	100.2	72.6	23.0	95.6
TURKEY	69.0	191.0	260.0	77.0	182.0	259.0	87.0	196.0	283.0
UNITED KINGDOM	81.4	121.6	203.0	93.6	99.9	193.5	100.0	85.0	185.0
TOTAL WESTERN EUROPE	**974.7**	**1604.0**	**2578.7**	**1027.9**	**1560.1**	**2588.0**	**1054.4**	**1545.8**	**2600.2**
EASTERN EUROPE									
ALBANIA	0.5	0	0.5	0.5	0	0.5	0.5	0	0.5
BULGARIA	39.6	48.7	88.3	40.9	49.2	90.1	40.9	49.6	90.5
C.I.S.	435.0	410.2	845.2	457.7	401.3	859.0	472.0	402.0	874.0
CZECHOSLOVAKIA	76.6	46.5	123.1	92.6	48.6	141.2	88.7	52.3	141.0
EAST GERMANY	74.3	80.7	155.0	79.0	96.7	175.7	68.0	109.3	177.3
HUNGARY	6.8	13.8	20.6	8.0	14.2	22.2	6.2	14.0	20.2
POLAND	87.8	46.6	134.4	90.0	50.6	140.6	88.0	51.4	139.4
ROMANIA	59.5	142.4	201.9	48.7	143.6	192.3	40.6	118.7	159.3
YUGOSLAVIA	46.0	63.9	109.9	45.2	57.8	103.0	47.1	60.4	107.5
TOTAL EASTERN EUROPE	**826.1**	**852.8**	**1678.9**	**862.6**	**862.0**	**1724.6**	**852.0**	**857.7**	**1709.7**
TOTAL EUROPE	**1800.8**	**2456.8**	**4257.6**	**1890.5**	**2422.1**	**4312.6**	**1906.4**	**2403.5**	**4309.9**

Y Yarn+monofilaments.
S Staple+tow+fiberfill.
a. Includes Belgium, Netherlands and Luxembourg.
b. As of January 1991, East & West Germany combined under Germany.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1990			1991			3/1992			12/1993		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
0	17.5	17.5	0	17.2	17.2	*0*	*22.0*	*22.0*	*0*	*22.0*	*22.0*
80.0	40.0	120.0	91.4	42.6	134.0	*123.5*	*81.5*	*205.0*	*103.0*	*72.0*	*175.0*
0.2	0	0.2	0	0	0	*0.5*	*0*	*0.5*	*0*	*0*	*0*
58.7	98.3	157.0	49.0	52.0	101.0	*82.0*	*68.0*	*150.0*	*80.0*	*65.0*	*145.0*
363.0	414.0	777.0	347.6	390.4	738.0	*520.0*	*548.0*	*1068.0*	*523.0*	*550.0*	*1073.0*
10.2	4.0	14.2	6.0	0	6.0	*17.0*	*0*	*17.0*	*8.0*	*0*	*8.0*
16.1	76.9	93.0	16.4	78.6	95.0	*36.0*	*95.0*	*131.0*	*23.0*	*90.0*	*113.0*
186.5	374.5	561.0	178.6	359.4	538.0	*234.0*	*410.0*	*644.0*	*233.2*	*423.8*	*657.0*
0	57.8	57.8	0	64.0	64.0	*0*	*74.5*	*74.5*	*0*	*77.0*	*77.0*
79.5	171.5	251.0	77.0	166.0	243.0	*112.0*	*227.0*	*339.0*	*109.9*	*223.1*	*333.0*
75.5	18.0	93.5	66.8	16.0	82.8	*85.0*	*33.0*	*118.0*	*80.0*	*29.0*	*109.0*
85.0	183.5	268.5	136.0	170.8	306.8	*173.0*	*250.0*	*423.0*	*179.7*	*238.5*	*418.2*
100.0	82.0	182.0	77.0	103.0	180.0	*100.0*	*171.0*	*271.0*	*101.0*	*138.0*	*239.0*
1054.7	**1538.0**	**2592.7**	**1045.8**	**1460.0**	**2505.8**	***1483.0***	***1980.0***	***3463.0***	***1440.8***	***1928.4***	***3369.2***
0.5	0	0.5	1.0	0	1.0	*2.0*	*0*	*2.0*	*2.0*	*5.0*	*7.0*
33.0	41.4	74.4	32.9	35.6	68.5	*56.0*	*67.0*	*123.0*	*56.0*	*67.0*	*123.0*
485.5	408.0	893.5	432.3	375.1	807.4	*602.0*	*497.0*	*1099.0*	*613.0*	*562.0*	*1175.0*
92.4	48.0	140.4	66.0	24.0	90.0	*101.4*	*87.0*	*188.4*	*112.0*	*87.0*	*199.0*
57.0	74.4	131.4	b	b	b	*b*	*b*	*b*	*b*	*b*	*b*
4.8	14.3	19.1	2.5	10.5	13.0	*8.5*	*25.0*	*33.5*	*8.5*	*35.0*	*43.5*
63.6	40.8	104.4	65.8	23.2	89.0	*111.2*	*58.0*	*169.2*	*111.2*	*68.0*	*179.2*
39.2	100.7	139.9	37.4	125.7	163.1	*53.1*	*171.0*	*224.1*	*53.1*	*171.0*	*224.1*
51.7	64.3	116.0	45.8	55.4	101.2	*89.0*	*124.0*	*213.0*	*92.0*	*124.0*	*216.0*
827.7	**791.9**	**1619.6**	**683.7**	**649.5**	**1333.2**	***1023.2***	***1029.0***	***2052.2***	***1047.8***	***1119.0***	***2166.8***
1882.4	**2329.9**	**4212.3**	**1729.5**	**2109.5**	**3839.0**	***2506.2***	***3009.0***	***5515.2***	***2488.6***	***3047.4***	***5536.0***

TABLE 4:
WORLDWIDE SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN *(CONTINUED)*

THOUSAND METRIC TONS

	ACTUAL PRODUCTION								
	1987			1988			1989		
COUNTRY	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	**1304.5**	**1789.8**	**3094.3**	**1340.9**	**1806.0**	**3146.9**	**1346.4**	**1773.0**	**3119.4**
CANADA	**71.5**	**58.2**	**129.7**	**77.4**	**59.2**	**136.6**	**65.2**	**59.6**	**124.8**
OTHER AMERICAS									
ARGENTINA	27.9	29.4	57.3	28.3	20.4	48.7	24.3	19.8	44.1
BRAZIL	136.3	111.8	248.1	125.8	113.9	239.7	131.6	114.2	245.8
CHILE	4.4	2.7	7.1	5.1	2.8	7.9	5.3	3.0	8.3
COLOMBIA	38.6	10.8	49.4	36.0	12.9	48.9	37.8	13.7	51.5
COSTA RICA	4.2	0	4.2	4.3	0	4.3	4.5	0	4.5
ECUADOR	5.6	0	5.6	6.5	0	6.5	5.2	0	5.2
MEXICO	125.3	207.9	333.2	131.6	208.7	340.3	150.0	202.8	352.8
PERU	11.9	33.5	45.4	12.2	31.6	43.8	11.5	26.6	38.1
URUGUAY	2.0	3.4	5.4	2.1	3.6	5.7	1.9	4.8	6.7
VENEZUELA	14.3	21.9	36.2	18.1	20.9	39.0	19.3	27.6	46.9
TOTAL OTHER AMERICAS	**370.5**	**421.4**	**791.9**	**370.0**	**414.8**	**784.8**	**391.4**	**412.5**	**803.9**
JAPAN	**608.8**	**731.8**	**1340.6**	**618.9**	**733.0**	**1351.9**	**656.9**	**724.0**	**1380.9**
CHINA, PRC	**209.0**	**637.0**	**846.0**	**407.8**	**666.7**	**1074.5**	**474.3**	**748.9**	**1223.2**
OTHER ASIA									
BANGLADESH	0.5	0	0.5	0.6	0	0.6	0.6	0	0.6
INDIA	160.3	105.7	266.0	200.1	121.5	321.6	217.2	149.5	366.7
INDONESIA	107.0	80.9	187.9	104.0	99.6	203.6	126.8	100.0	226.8
KOREA, REP. OF	479.5	490.6	970.1	580.3	534.7	1115.0	628.9	561.0	1189.9
MALAYSIA	0	38.9	38.9	0	40.0	40.0	0	41.3	41.3
PAKISTAN	25.6	25.4	51.0	28.4	32.3	60.7	30.0	26.0	56.0
PHILIPPINES	23.0	12.7	35.7	24.5	15.0	39.5	19.3	16.5	35.8
SRI LANKA	1.5	0	1.5	1.9	0	1.9	2.0	0	2.0
TAIWAN	715.1	676.2	1391.3	732.7	697.5	1430.2	783.5	739.6	1523.1
THAILAND	51.3	67.2	118.5	56.2	74.4	130.6	62.7	81.5	144.2
TOTAL OTHER ASIA	**1563.8**	**1497.6**	**3061.4**	**1728.7**	**1615.0**	**3343.7**	**1871.0**	**1715.4**	**3586.4**
MIDDLE EAST, AFRICA & OCEANIA									
ALGERIA	0	0	0	0	0	0	0	0	0
AUSTRALIA/NZ	16.0	1.1	17.1	15.7	1.2	16.9	15.0	1.6	16.6
EGYPT	6.9	32.1	39.0	8.2	34.2	42.4	9.4	38.4	47.8
IRAN	9.5	25.9	35.4	9.9	25.0	34.9	10.3	29.0	39.3
ISRAEL	11.5	10.0	21.5	12.0	8.0	20.0	12.4	0	12.4
KENYA	5.0	1.1	6.1	5.0	1.1	6.1	6.0	1.1	7.1
NIGERIA	4.0	3.1	7.1	4.5	3.1	7.6	4.5	1.1	5.6
SOUTH AFRICA	54.8	35.3	90.1	60.7	35.2	95.9	57.0	35.9	92.9
TANZANIA	3.0	0	3.0	3.0	0	3.0	0	0	0
TOTAL M.E., A. & O.	**110.7**	**108.6**	**219.3**	**119.0**	**107.8**	**226.8**	**114.6**	**107.1**	**221.7**
TOTAL WORLD	**6039.7**	**7701.2**	**13740.9**	**6553.2**	**7824.6**	**14377.8**	**6826.2**	**7944.0**	**14770.2**

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1990			1991			3/1992			12/1993		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
1259.7	**1626.3**	**2886.0**	**1303.7**	**1599.2**	**2902.9**	***1644.3***	***2022.6***	***3666.9***	***1711.0***	***2025.8***	***3736.8***
65.4	**57.6**	**123.0**	**65.6**	**61.1**	**126.7**	***82.4***	***84.0***	***166.4***	***82.4***	***84.0***	***166.4***
26.4	20.2	46.6	27.7	20.7	48.4	*44.6*	*34.6*	*79.2*	*45.6*	*34.6*	*80.2*
114.2	87.6	201.8	100.7	89.2	189.9	*188.7*	*137.0*	*325.7*	*191.8*	*154.9*	*346.7*
5.4	6.5	11.9	5.2	6.2	11.4	*7.7*	*11.0*	*18.7*	*7.7*	*11.0*	*18.7*
41.5	14.0	55.5	41.1	17.5	58.6	*59.4*	*39.5*	*98.9*	*61.4*	*39.5*	*100.9*
6.1	0	6.1	6.3	0	6.3	*8.0*	*0*	*8.0*	*8.0*	*0*	*8.0*
6.0	0	6.0	5.7	0	5.7	*7.2*	*0*	*7.2*	*7.5*	*0*	*7.5*
165.9	203.0	368.9	171.6	222.6	394.2	*212.1*	*323.0*	*535.1*	*217.1*	*360.0*	*577.1*
11.3	32.2	43.5	11.5	32.1	43.6	*17.5*	*37.0*	*54.5*	*17.5*	*37.0*	*54.5*
1.8	4.4	6.2	1.9	4.4	6.3	*4.5*	*5.5*	*10.0*	*4.5*	*5.5*	*10.0*
11.5	19.0	30.5	11.6	26.5	38.1	*23.0*	*31.1*	*54.1*	*23.0*	*31.1*	*54.1*
390.1	**386.9**	**777.0**	**383.3**	**419.2**	**802.5**	***572.7***	***618.7***	***1191.4***	***584.1***	***673.6***	***1257.7***
702.1	**722.9**	**1425.0**	**714.9**	**714.7**	**1429.6**	***888.0***	***904.0***	***1792.0***	***888.0***	***904.0***	***1792.0***
531.2	**811.6**	**1342.8**	**564.0**	**885.9**	**1449.9**	***680.0***	***1090.0***	***1770.0***	***745.0***	***1255.0***	***2000.0***
0.6	0	0.6	0.7	0	0.7	*1.0*	*0*	*1.0*	*4.6*	*9.0*	*13.6*
259.3	177.3	436.6	262.5	177.0	439.5	*376.1*	*368.3*	*744.4*	*461.4*	*462.3*	*923.7*
148.0	115.0	263.0	167.5	140.5	308.0	*288.0*	*190.6*	*478.6*	*373.0*	*317.0*	*690.0*
672.3	597.4	1269.7	737.8	626.3	1364.1	*830.4*	*661.0*	*1491.4*	*920.4*	*691.0*	*1611.4*
0	41.9	41.9	0	45.0	45.0	*11.0*	*63.0*	*74.0*	*37.0*	*73.0*	*110.0*
31.5	40.2	71.7	36.8	64.5	101.3	*68.0*	*105.0*	*173.0*	*72.0*	*125.0*	*197.0*
22.5	17.5	40.0	26.1	33.5	59.6	*73.0*	*36.0*	*109.0*	*83.0*	*36.0*	*119.0*
2.1	0	2.1	2.5	0	2.5	*3.3*	*0*	*3.3*	*3.3*	*0*	*3.3*
866.0	755.5	1621.5	982.4	859.0	1841.4	*1176.7*	*968.4*	*2145.1*	*1176.7*	*968.4*	*2145.1*
69.9	91.5	161.4	87.7	126.8	214.5	*208.7*	*193.0*	*401.7*	*244.7*	*252.0*	*496.7*
2072.2	**1836.3**	**3908.5**	**2304.0**	**2072.6**	**4376.6**	***3036.2***	***2585.3***	***5621.5***	***3376.1***	***2933.7***	***6309.8***
0	0	0	0	0	0	*0*	*0*	*0*	*0*	*15.0*	*15.0*
15.3	2.0	17.3	14.1	2.1	16.2	*20.0*	*2.2*	*22.2*	*20.0*	*2.2*	*22.2*
10.7	40.0	50.7	9.7	40.8	50.5	*20.0*	*87.0*	*107.0*	*24.0*	*94.0*	*118.0*
12.2	32.0	44.2	13.2	36.1	49.3	*44.0*	*44.0*	*88.0*	*44.0*	*60.0*	*104.0*
12.9	0	12.9	10.8	0	10.8	*17.0*	*0*	*17.0*	*17.0*	*0*	*17.0*
6.3	1.0	7.3	6.3	1.2	7.5	*15.8*	*3.0*	*18.8*	*15.8*	*3.0*	*18.8*
4.7	1.1	5.8	4.8	1.3	6.1	*18.0*	*3.0*	*21.0*	*23.0*	*14.0*	*37.0*
57.3	32.2	89.5	57.5	32.4	89.9	*68.8*	*46.7*	*115.5*	*74.7*	*46.7*	*121.4*
0	0	0	0	0	0	*5.0*	*0*	*5.0*	*5.0*	*0*	*5.0*
119.4	**108.3**	**227.7**	**116.4**	**113.9**	**230.3**	***208.6***	***185.9***	***394.5***	***223.5***	***234.9***	***458.4***
7022.5	**7879.8**	**14902.3**	**7181.4**	**7976.1**	**15157.5**	***9618.4***	***10499.5***	***20117.9***	***10098.7***	***11158.4***	***21257.1***

TABLE 5:
WORLDWIDE ARTIFICIAL (CELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY

THOUSAND METRIC TONS

	ACTUAL PRODUCTION								
	1987			1988			1989		
COUNTRY	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE [a]									
AUSTRIA	DETAIL NO LONGER AVAILABLE		120.0	DETAIL NO LONGER AVAILABLE		132.0	DETAIL NO LONGER AVAILABLE		136.0
BELGIUM/NETHERLANDS			40.0			41.0			40.0
FINLAND			54.0			60.4			64.8
FRANCE			23.0			15.0			2.0
GERMANY [b]			118.0			122.0			129.0
GREECE			7.8			7.2			7.5
ITALY			29.0			32.0			35.0
PORTUGAL			1.2			0.8			0.9
SPAIN			35.0			37.0			40.0
SWEDEN			23.0			20.0			20.3
TURKEY			8.0			8.7			9.3
UNITED KINGDOM			55.0			64.0			55.0
TOTAL WESTERN EUROPE	**185.0**	**329.0**	**514.0**	**191.0**	**349.1**	**540.1**	**197.0**	**342.8**	**539.8**
EASTERN EUROPE									
BULGARIA	4.3	0	4.3	4.4	0	4.4	4.2	0	4.2
C.I.S.	246.5	345.0	591.5	263.8	337.2	601.0	245.1	338.9	584.0
CZECHOSLOVAKIA	18.4	36.8	55.2	18.8	39.5	58.3	13.9	39.6	53.5
EAST GERMANY	35.9	120.7	156.6	36.3	118.8	155.1	28.4	121.0	149.4
HUNGARY	0	4.1	4.1	0	4.2	4.2	0	4.3	4.3
POLAND	19.3	54.0	73.3	20.2	54.0	74.2	17.5	48.1	65.6
ROMANIA	9.0	57.0	66.0	9.1	66.5	75.6	9.3	86.6	95.9
YUGOSLAVIA	13.3	50.0	63.3	14.0	54.0	68.0	14.9	56.2	71.1
TOTAL EASTERN EUROPE	**346.7**	**667.6**	**1014.3**	**366.6**	**674.2**	**1040.8**	**333.3**	**694.7**	**1028.0**
TOTAL EUROPE	**531.7**	**996.6**	**1528.3**	**557.6**	**1023.3**	**1580.9**	**530.3**	**1037.5**	**1567.8**

Y Yarn+monofilaments.

S Staple+tow+fiberfill.

a. Due to disclosure, country detail is no longer available.

b. As of January 1991, East & West Germany combined under Germany.

These totals do not include data for the Indonesian pilot plant nor production of artificial (cellulosic) fiber in North Korea.
Production and producing capacity by country, divided between rayon and acetate yarn, is given on pages 108 - 109.
Also note page 99 for data on production of cigarette tow.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1990			1991			3/1992			12/1993		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
DETAIL NO LONGER AVAILABLE		135.0	DETAIL NO LONGER AVAILABLE		120.0	DETAIL NO LONGER AVAILABLE		*136.0*	DETAIL NO LONGER AVAILABLE		*136.0*
		39.0			38.0			*43.0*			*43.0*
		63.8			47.4			*72.0*			*61.0*
		2.0			2.0			*3.0*			*3.0*
		130.0			118.0			*180.0*			*192.0*
		7.0			5.0			*8.0*			*8.0*
		36.0			32.0			*44.0*			*44.0*
		0.8			0.8			*1.0*			*1.0*
		36.0			30.0			*42.0*			*42.0*
		24.4			18.8			*25.0*			*26.0*
		10.7			10.8			*11.2*			*11.2*
		71.0			63.0			*76.0*			*76.0*
189.0	**366.7**	**555.7**	**184.8**	**301.0**	**485.8**	***219.0***	***422.2***	***641.2***	***219.0***	***424.2***	***643.2***
4.3	0	4.3	4.2	0	4.2	*5.0*	*0*	*5.0*	*5.0*	*0*	*5.0*
221.0	323.0	544.0	229.0	288.0	517.0	*282.0*	*339.0*	*621.0*	*282.0*	*339.0*	*621.0*
10.0	38.5	48.5	1.8	36.7	38.5	*3.5*	*57.0*	*60.5*	*3.5*	*57.0*	*60.5*
26.1	43.0	69.1	b	b	b	*b*	*b*	*b*	*b*	*b*	*b*
0	4.1	4.1	0	0	0	*10.0*	*0*	*10.0*	*10.0*	*0*	*10.0*
18.3	21.8	40.1	8.3	17.2	25.5	*23.0*	*45.0*	*68.0*	*23.0*	*45.0*	*68.0*
9.8	50.1	59.9	6.2	31.8	38.0	*11.0*	*88.0*	*99.0*	*11.0*	*88.0*	*99.0*
15.2	57.5	72.7	15.0	57.9	72.9	*17.0*	*60.0*	*77.0*	*17.0*	*60.0*	*77.0*
304.7	**538.0**	**842.7**	**264.5**	**431.6**	**696.1**	***351.5***	***589.0***	***940.5***	***351.5***	***589.0***	***940.5***
493.7	**904.7**	**1398.4**	**449.3**	**732.6**	**1181.9**	***570.5***	***1011.2***	***1581.7***	***570.5***	***1013.2***	***1583.7***

TABLE 5:
WORLDWIDE ARTIFICIAL (CELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY *(CONTINUED)*
THOUSAND METRIC TONS

COUNTRY	ACTUAL PRODUCTION								
	1987			1988			1989		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	**86.7**	**187.9**	**274.6**	**97.0**	**181.3**	**278.3**	**98.7**	**164.6**	**263.3**
CANADA	**13.0**	**28.5**	**41.5**	**13.1**	**33.2**	**46.3**	**13.1**	**33.5**	**46.6**
OTHER AMERICAS									
ARGENTINA	3.3	2.5	5.8	3.5	0	3.5	3.4	0	3.4
BRAZIL	15.0	33.9	48.9	14.9	36.6	51.5	14.8	40.2	55.0
CHILE	1.3	4.0	5.3	1.3	4.1	5.4	1.3	4.2	5.5
COLOMBIA	2.3	0	2.3	1.5	0	1.5	1.0	0	1.0
CUBA	2.7	8.8	11.5	0.7	8.9	9.6	0.6	10.6	11.2
MEXICO	11.4	0	11.4	12.0	0	12.0	12.6	0	12.6
PERU	1.1	0	1.1	1.3	0	1.3	1.4	0	1.4
URUGUAY	1.2	0	1.2	1.6	0	1.6	1.3	0	1.3
VENEZUELA	2.2	0	2.2	2.2	0	2.2	1.5	0	1.5
TOTAL OTHER AMERICAS	**40.5**	**49.2**	**89.7**	**39.0**	**49.6**	**88.6**	**37.9**	**55.0**	**92.9**
JAPAN	**99.4**	**201.1**	**300.5**	**99.8**	**190.8**	**290.6**	**98.9**	**174.0**	**272.9**
CHINA, PRC	**55.0**	**132.0**	**187.0**	**47.9**	**120.0**	**167.9**	**47.9**	**130.0**	**177.9**
OTHER ASIA									
BANGLADESH	4.5	1.3	5.8	4.8	1.0	5.8	5.0	1.2	6.2
INDIA	50.7	116.8	167.5	52.6	121.5	174.1	56.4	142.3	198.7
INDONESIA	0	52.0	52.0	0	59.0	59.0	0	59.0	59.0
KOREA, REP. OF	14.1	0	14.1	15.1	0	15.1	15.3	0	15.3
PAKISTAN	3.3	0	3.3	2.8	0	2.8	2.8	0	2.8
PHILIPPINES	0	0	0	0	0	0	0	0	0
TAIWAN	2.4	117.2	119.6	2.6	123.2	125.8	2.6	145.0	147.6
THAILAND	0	21.4	21.4	0	24.0	24.0	0	41.2	41.2
TOTAL OTHER ASIA	**75.0**	**308.7**	**383.7**	**77.9**	**328.7**	**406.6**	**82.1**	**388.7**	**470.8**
MIDDLE EAST, AFRICA & OCEANIA									
EGYPT	7.0	4.8	11.8	7.0	5.0	12.0	7.7	5.2	12.9
IRAQ	3.1	5.5	8.6	2.9	5.5	8.4	3.0	5.6	8.6
TOTAL M.E., A & O	**10.1**	**10.3**	**20.4**	**9.9**	**10.5**	**20.4**	**10.7**	**10.8**	**21.5**
TOTAL WORLD	**911.4**	**1914.3**	**2825.7**	**942.2**	**1937.4**	**2879.6**	**919.6**	**1994.1**	**2913.7**

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1990			1991			3/1992			12/1993		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
93.5	**135.7**	**229.2**	**96.7**	**124.0**	**220.7**	***99.8***	***147.4***	***247.2***	***99.8***	***147.4***	***247.2***
11.2	**28.5**	**39.7**	**11.3**	**29.5**	**40.8**	***24.5***	***38.0***	***62.5***	***24.5***	***38.0***	***62.5***
2.3	0	2.3	2.7	0	2.7	*4.0*	*0*	*4.0*	*4.0*	*0*	*4.0*
14.9	39.6	54.5	14.8	44.6	59.4	*17.0*	*47.0*	*64.0*	*17.0*	*57.0*	*74.0*
1.3	4.3	5.6	1.4	4.3	5.7	*1.5*	*5.4*	*6.9*	*1.5*	*5.4*	*6.9*
2.0	0	2.0	2.1	0	2.1	*3.5*	*0*	*3.5*	*3.5*	*0*	*3.5*
0.1	7.9	8.0	0.3	8.3	8.6	*1.5*	*11.0*	*12.5*	*1.5*	*11.0*	*12.5*
12.6	0	12.6	13.4	0	13.4	*21.1*	*0*	*21.1*	*21.1*	*0*	*21.1*
1.4	0	1.4	1.4	0	1.4	*1.7*	*0*	*1.7*	*1.7*	*0*	*1.7*
1.6	0	1.6	1.7	0	1.7	*1.9*	*0*	*1.9*	*1.9*	*0*	*1.9*
1.4	0	1.4	1.5	0	1.5	*2.4*	*0*	*2.4*	*2.4*	*0*	*2.4*
37.6	**51.8**	**89.4**	**39.3**	**57.2**	**96.5**	***54.6***	***63.4***	***118.0***	***54.6***	***73.4***	***128.0***
99.1	**176.7**	**275.8**	**96.5**	**169.9**	**266.4**	***117.4***	***214.9***	***332.3***	***117.4***	***214.9***	***332.3***
48.7	**143.0**	**191.7**	**48.9**	**145.0**	**193.9**	***60.0***	***160.0***	***220.0***	***60.0***	***160.0***	***220.0***
4.7	1.2	5.9	4.8	1.2	6.0	*6.5*	*5.0*	*11.5*	*6.5*	*5.0*	*11.5*
58.2	158.5	216.7	59.0	156.4	215.4	*75.3*	*195.8*	*271.1*	*78.2*	*259.8*	*338.0*
0	60.0	60.0	0	63.0	63.0	*0*	*205.0*	*205.0*	*0*	*255.0*	*255.0*
15.8	0	15.8	10.9	0	10.9	*18.0*	*21.0*	*39.0*	*18.0*	*21.0*	*39.0*
2.8	0	2.8	2.8	0	2.8	*3.0*	*0*	*3.0*	*3.0*	*0*	*3.0*
0	0	0	0	0	0	*0*	*25.0*	*25.0*	*0*	*25.0*	*25.0*
2.2	145.7	147.9	2.1	147.0	149.1	*3.2*	*149.7*	*152.9*	*3.2*	*149.7*	*152.9*
0	41.5	41.5	0	45.3	45.3	*0*	*64.0*	*64.0*	*0*	*75.0*	*75.0*
83.7	**406.9**	**490.6**	**79.6**	**412.9**	**492.5**	***106.0***	***665.5***	***771.5***	***108.9***	***790.5***	***899.4***
7.9	5.2	13.1	7.9	5.2	13.1	*8.0*	*5.4*	*13.4*	*8.0*	*5.4*	*13.4*
3.0	5.6	8.6	3.0	5.6	8.6	*3.5*	*6.5*	*10.0*	*3.5*	*6.5*	*10.0*
10.9	**10.8**	**21.7**	**10.9**	**10.8**	**21.7**	***11.5***	***11.9***	***23.4***	***11.5***	***11.9***	***23.4***
878.4	**1858.1**	**2736.5**	**832.5**	**1681.9**	**2514.4**	***1044.3***	***2312.3***	***3356.6***	***1047.2***	***2449.3***	***3496.5***

TABLE 6:
WORLDWIDE RAYON VS. ACETATE FILAMENT YARN PRODUCTION & PRODUCING CAPACITY BY COUNTRY
THOUSAND METRIC TONS

COUNTRY	ACTUAL PRODUCTION								
	1987			1988			1989		
	H	R&C	A	H	R&C	A	H	R&C	A
WESTERN EUROPE									
AUSTRIA	DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE		
BELGIUM/NETHERLANDS									
FRANCE									
GERMANY [a,d]									
ITALY [a]									
SPAIN									
UNITED KINGDOM									
OTHER [b]									
TOTAL WESTERN EUROPE	**67**	**70**	**48**	**75**	**66**	**50**	**79**	**67**	**51**
EASTERN EUROPE									
BULGARIA	0	4	0	0	4	0	0	4	0
C.I.S. [a]	117	80	50	119	85	60	104	91	50
CZECHOSLOVAKIA	8	10	0	9	10	0	5	9	0
EAST GERMANY	14	22	0	14	23	0	4	24	0
HUNGARY	0	0	0	0	0	0	0	0	0
POLAND	5	15	0	5	16	0	5	13	0
ROMANIA	5	4	0	5	4	0	5	4	0
YUGOSLAVIA	6	7	0	6	7	0	7	8	0
TOTAL EASTERN EUROPE	**155**	**142**	**50**	**158**	**149**	**60**	**130**	**153**	**50**
U.S.A. [a]	**7**	**6**	**74**	**7**	**6**	**84**	**NA**	**NA**	**NA**
CANADA	**0**	**0**	**13**	**0**	**0**	**13**	**NA**	**NA**	**NA**
OTHER AMERICAS									
ARGENTINA	0	0	3	0	0	3	0	0	3
BRAZIL	0	15	0	0	15	0	0	15	0
CHILE	0	1	0	0	1	0	0	1	0
COLOMBIA	0	0	2	0	0	2	0	0	1
CUBA	3	0	0	1	0	0	1	0	0
MEXICO	2	4	6	2	4	6	2	4	7
PERU	0	0	1	0	0	1	0	0	1
URUGUAY	0	0	1	0	0	2	0	0	1
VENEZUELA	0	0	2	0	0	2	0	0	2
TOTAL OTHER AMERICAS	**5**	**20**	**15**	**3**	**20**	**16**	**3**	**20**	**15**
JAPAN [a]	**2**	**70**	**27**	**1**	**72**	**27**	**+**	**73**	**26**
CHINA, PRC	**0**	**55**	**0**	**10**	**38**	**0**	**10**	**38**	**0**
OTHER ASIA									
BANGLADESH	0	5	0	0	5	0	0	5	0
INDIA	5	46	+	9	44	0	8	48	0
KOREA, REP. OF	0	12	2	0	12	3	0	11	4
PAKISTAN	0	0	3	0	0	3	0	0	3
TAIWAN	0	2	0	0	2	0	0	3	0
TOTAL OTHER ASIA	**5**	**65**	**5**	**9**	**63**	**6**	**8**	**67**	**7**
OTHER M.E., A & O [c]	**0**	**10**	**0**	**0**	**10**	**0**	**0**	**11**	**0**
WORLD TOTAL	**241**	**438**	**232**	**263**	**424**	**256**	**NA**	**NA**	**NA**

NA No Longer Available.
H High tenacity (tire & industrial type) viscose rayon yarn.
R Regular + intermediate tenacity viscose rayon yarn.
C Cuprammonium rayon yarn.
A Acetate + triacetate yarn.
a. Produces both regular + intermediate rayon yarn and cuprammonium rayon yarn.
b. Comprises Greece, Portugal and Turkey.
c. Comprises Egypt and Iraq.
d. As of January 1991, East & West Germany combined under Germany.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1990			1991			3/1992			12/1993		
H	R&C	A	H	R&C	A	H	R&C	A	H	R&C	A
DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE		
71	**67**	**51**	**70**	**65**	**50**	***87***	***75***	***57***	***87***	***75***	***57***
0	4	0	0	4	0	*0*	*5*	*0*	*0*	*5*	*0*
86	85	50	99	80	50	*135*	*87*	*60*	*135*	*87*	*60*
3	7	0	0	2	0	*0*	*4*	*0*	*0*	*4*	*0*
2	24	0	d	d	d	*d*	*d*	*d*	*d*	*d*	*d*
0	0	0	0	0	0	*0*	*10*	*0*	*0*	*10*	*0*
4	14	0	0	8	0	*0*	*23*	*0*	*0*	*23*	*0*
6	4	0	4	2	0	*6*	*5*	*0*	*6*	*5*	*0*
8	7	0	7	8	0	*8*	*9*	*0*	*8*	*9*	*0*
109	**145**	**50**	**110**	**104**	**50**	***149***	***143***	***60***	***149***	***143***	***60***
NA	**NA**	**NA**	**NA**	**NA**	**NA**	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
NA	**NA**	**NA**	**NA**	**NA**	**NA**	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***
0	0	2	0	0	3	*0*	*0*	*4*	*0*	*0*	*4*
0	15	0	0	15	0	*0*	*17*	*0*	*0*	*17*	*0*
0	1	0	0	1	0	*0*	*1*	*0*	*0*	*1*	*0*
0	0	2	0	0	2	*0*	*0*	*4*	*0*	*0*	*4*
+	0	0	+	0	0	*2*	*0*	*0*	*2*	*0*	*0*
3	3	7	3	3	7	*3*	*4*	*14*	*3*	*4*	*14*
0	0	1	0	0	1	*0*	*0*	*2*	*0*	*0*	*2*
0	0	2	0	0	2	*0*	*0*	*2*	*0*	*0*	*2*
0	0	1	0	0	2	*0*	*0*	*2*	*0*	*0*	*2*
3	**19**	**15**	**3**	**19**	**17**	***5***	***22***	***28***	***5***	***48***	***28***
0	**72**	**27**	**0**	**70**	**27**	***0***	***84***	***33***	***0***	***84***	***33***
10	**39**	**0**	**10**	**39**	**0**	***12***	***48***	***0***	***12***	***48***	***0***
0	5	0	0	5	0	*0*	*7*	*0*	*0*	*7*	*0*
7	51	0	8	51	0	*21*	*54*	*0*	*21*	*57*	*0*
0	11	5	0	6	5	*0*	*12*	*6*	*0*	*12*	*6*
0	0	3	0	0	3	*0*	*0*	*3*	*0*	*0*	*3*
0	2	0	0	2	0	*0*	*3*	*0*	*0*	*3*	*0*
7	**69**	**8**	**8**	**64**	**8**	***21***	***76***	***9***	***21***	***79***	***9***
0	**11**	**0**	**0**	**11**	**0**	***0***	***12***	***0***	***0***	***12***	***0***
NA	**NA**	**NA**	**NA**	**NA**	**NA**	***NA***	***NA***	***NA***	***NA***	***NA***	***NA***

TABLE 7:
WORLDWIDE SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY FIBER EXCEPT OLEFIN

THOUSAND METRIC TONS

	ACTUAL PRODUCTION								
	1987			1988			1989		
FIBER & AREA	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
ACRYLIC+MODACRYLIC									
WEST EUROPE *	1	948	949	1	875	876	1	793	794
EAST EUROPE	0	277	277	0	285	285	0	285	285
U.S.A.	0	268	268	0	267	267	0	246	246
CANADA	0	0	0	0	0	0	0	0	0
OTHER AMERICAS	0	181	181	0	181	181	0	171	171
JAPAN	3	404	407	3	395	398	3	364	367
CHINA, PRC	0	75	75	0	77	77	0	105	105
OTHER ASIA	0	344	344	0	351	351	0	360	360
MIDDLE EAST, AFRICA & OCEANIA	0	20	20	0	17	17	0	14	14
TOTAL	**4**	**2517**	**2521**	**4**	**2448**	**2452**	**4**	**2338**	**2342**
NYLON+ARAMID [a]									
WEST EUROPE *	518	137	655	548	137	685	557	148	705
EAST EUROPE	576	100	676	593	93	686	587	85	672
U.S.A.	770	450	1220	784	427	1211	798	445	1243
CANADA	51	13	64	55	13	68	56	16	72
OTHER AMERICAS	165	10	175	160	7	167	165	7	172
JAPAN	262	17	279	267	15	282	266	16	282
CHINA, PRC	79	1	80	93	1	94	101	2	103
OTHER ASIA	424	6	430	461	6	467	481	6	487
MIDDLE EAST, AFRICA & OCEANIA	58	1	59	62	1	63	57	1	58
TOTAL	**2903**	**735**	**3638**	**3023**	**700**	**3723**	**3068**	**726**	**3794**
POLYESTER									
WEST EUROPE *	451	510	961	474	539	1013	487	596	1083
EAST EUROPE	249	473	722	269	481	750	264	485	749
U.S.A.	535	1071	1606	557	1112	1669	548	1082	1630
CANADA	20	45	65	22	46	68	9	44	53
OTHER AMERICAS	205	230	435	209	227	436	225	234	459
JAPAN	323	283	606	329	293	622	368	308	676
CHINA, PRC	120	496	616	307	530	837	365	580	945
OTHER ASIA	1140	1146	2286	1267	1257	2524	1390	1349	2739
MIDDLE EAST, AFRICA & OCEANIA	53	88	141	57	90	147	58	92	150
TOTAL	**3096**	**4342**	**7438**	**3491**	**4575**	**8066**	**3714**	**4770**	**8484**
OTHER FIBERS EXCEPT OLEFIN [b]									
WEST EUROPE *	5	9	14	5	9	14	9	9	18
EAST EUROPE	1	3	4	1	3	4	1	3	4
U.S.A.	+	+	+	+	+	+	+	+	+
CANADA	+	0	+	+	0	+	+	0	+
OTHER AMERICAS	1	0	1	1	0	1	1	0	1
JAPAN	20	28	48	20	30	50	20	36	56
CHINA, PRC	10	65	75	8	59	67	8	62	70
OTHER ASIA	0	2	2	0	1	1	0	1	1
MIDDLE EAST, AFRICA & OCEANIA	0	0	0	0	0	0	0	0	0
TOTAL	**37**	**107**	**144**	**35**	**102**	**137**	**39**	**111**	**150**
TOTAL FIBERS ABOVE									
WEST EUROPE *	975	1604	2579	1028	1560	2588	1054	1546	2600
EAST EUROPE	826	853	1679	863	862	1725	852	858	1710
U.S.A.	1305	1789	3094	1341	1806	3147	1346	1773	3119
CANADA	71	58	129	77	59	136	65	60	125
OTHER AMERICAS	371	421	792	370	415	785	391	412	803
JAPAN	608	732	1340	619	733	1352	657	724	1381
CHINA, PRC	209	637	846	408	667	1075	474	749	1223
OTHER ASIA	1564	1498	3062	1728	1615	3343	1871	1716	3587
MIDDLE EAST, AFRICA & OCEANIA	111	109	220	119	108	227	115	107	222
WORLD TOTAL	**6040**	**7701**	**13741**	**6553**	**7825**	**14378**	**6825**	**7945**	**14770**

Y	Yarn+monofilaments.
S	Staple+tow+fiberfill.
+	Nominal quantities.
- -	Negligable

* As of January 1991, data include East Germany.

a. U.S.A. nylon producing capacity data do not include aramid.

b. Other fibers are alginate, azlon, spandex or elastomer, saran, TFE-fluorocarbon, vinal and vinyon. U.S.A. production data do not include spandex.

ACTUAL PRODUCTION						PRODUCING CAPACITY						% UTILIZATION [c]	
1990			1991			3/1992			12/1993				
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S
0	807	807	0	771	771	0	1026	1026	0	1001	1001	0	74.2
0	262	262	0	225	225	0	325	325	0	339	339	0	59.6
0	229	229	0	206	206	0	225	225	0	225	225	0	93.4
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	164	164	0	181	181	0	234	234	0	249	249	0	74.6
4	359	363	4	362	366	6	426	432	6	426	432	66.7	85.0
0	122	122	0	128	128	0	155	155	0	265	265	0	78.8
0	360	360	0	394	394	0	448	448	0	516	516	0	89.6
0	17	17	0	20	20	0	25	25	0	32	32	0	80.0
4	**2320**	**2324**	**4**	**2287**	**2291**	**6**	**2864**	**2870**	**6**	**3053**	**3059**	**66.7**	**78.0**
532	153	685	551	155	706	795	216	1011	771	212	983	75.1	76.4
562	80	642	468	63	531	660	116	776	674	116	790	67.4	52.9
758	449	1207	756	394	1150	920	506	1426	975	506	1481	82.7	77.4
56	16	72	56	15	71	71	24	95	71	24	95	66.7	62.5
160	6	166	163	6	169	244	12	256	249	12	261	66.9	46.2
274	15	289	265	14	279	320	25	345	320	25	345	81.8	53.8
102	2	104	109	5	114	160	10	170	175	15	190	72.7	50.0
510	6	516	562	4	566	859	10	869	987	20	1007	71.9	44.4
59	1	60	59	1	60	105	3	108	106	3	109	59.9	33.3
3013	**728**	**3741**	**2989**	**657**	**3646**	**4134**	**922**	**5056**	**4328**	**933**	**5261**	**74.3**	**71.7**
511	570	1081	481	526	1007	670	721	1391	651	700	1351	74.6	74.6
265	448	713	215	359	574	362	580	942	373	656	1029	55.9	56.4
501	948	1449	548	999	1547	724	1292	2016	736	1294	2030	81.5	80.9
9	42	51	9	46	55	11	60	71	11	60	71	81.8	84.4
229	218	447	219	232	451	327	372	699	333	413	746	69.4	64.3
405	311	716	428	301	729	530	354	884	530	354	884	81.9	84.2
420	622	1042	445	684	1129	505	850	1355	555	900	1455	95.4	79.0
1562	1469	3031	1742	1673	3415	2177	2127	4304	2389	2398	4787	84.1	80.7
60	90	150	57	93	150	104	158	262	118	200	318	53.3	57.8
3962	**4718**	**8680**	**4144**	**4913**	**9057**	**5410**	**6514**	**11924**	**5696**	**6975**	**12671**	**79.8**	**76.2**
12	8	20	14	8	22	18	17	35	19	15	34	82.4	51.6
1	2	3	1	3	4	1	8	9	1	8	9	100.0	37.5
+	+	+	+	+	+	+	+	+	+	+	+	- -	- -
+	0	+	+	0	+	+	0	+	+	0	+	- -	0
1	0	1	1	0	1	2	0	2	2	0	2	50.0	0
19	38	57	18	38	56	32	99	131	32	99	131	58.1	38.4
10	65	75	10	69	79	15	75	90	15	75	90	66.7	92.0
0	1	1	0	1	1	+	0	+	+	0	+	0	100.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
43	**114**	**157**	**44**	**119**	**163**	**68**	**199**	**267**	**69**	**197**	**266**	**66.7**	**60.1**
1055	1538	2593	1046	1460	2506	1483	1980	3463	1441	1928	3369	75.0	74.4
828	792	1620	684	650	1334	1023	1029	2052	1048	1119	2167	63.4	57.0
1259	1626	2885	1304	1599	2903	1644	2023	3667	1711	2025	3736	82.2	81.4
65	58	123	65	61	126	82	84	166	82	84	166	68.4	77.7
390	388	778	383	419	802	573	618	1191	584	674	1258	68.3	68.0
702	723	1425	715	715	1430	888	904	1792	888	904	1792	80.9	78.7
532	811	1343	564	886	1450	680	1090	1770	745	1255	2000	89.3	79.6
2072	1836	3908	2304	2072	4376	3036	2585	5621	3376	2934	6310	80.8	82.2
119	108	227	116	114	230	209	186	395	224	235	459	56.4	60.3
7022	**7880**	**14902**	**7181**	**7976**	**15157**	**9618**	**10499**	**20117**	**10099**	**11158**	**21257**	**77.3**	**76.0**

c. Based on 1991 production and average March 1991 vs. 1992 producing capacity.
The regional totals here are the same as those on pages 100 - 103.

TABLE 8:
WORLDWIDE OLEFIN FIBER PRODUCTION
THOUSAND METRIC TONS

COUNTRY	1987	1988	1989	1990	1991
WEST EUROPE					
AUSTRIA	27	30	29	30	29
BENELUX	160	165	200	215	230
DENMARK	30	32	36	43	46
FINLAND	18	19	10	11	12
FRANCE	58	70	70	69	73
GREECE/CYPRUS	16	17	18	20	20
GERMANY[a]	115	135	145	162	174
IRELAND	10	10	10	10	10
ITALY	130	135	135	150	150
NORWAY	5	4	5	5	6
PORTUGAL	36	37	38	38	40
SPAIN	49	53	56	60	64
SWEDEN	6	7	8	10	10
SWITZERLAND	20	22	21	23	23
TURKEY	7	7	10	10	10
UNITED KINGDOM	125	140	145	150	158
TOTAL WEST EUROPE	812	883	936	1006	1055
EAST EUROPE					
BULGARIA	25	25	20	16	12
C.I.S.	28	32	36	40	66
CZECHOSLOVAKIA	42	43	44	46	45
EAST GERMANY	10	10	10	10	a
HUNGARY	22	26	28	26	20
POLAND	17	22	25	26	24
ROMANIA	15	17	20	20	18
U.S.A.					
YARN+MONOFIL	224	251	268	355	375
STAPLE	164	165	173	184	208
FILM FIBER	291	293	288	282	251

TABLE 8:
WORLDWIDE OLEFIN FIBER PRODUCTION *(CONTINUED)*
THOUSAND METRIC TONS

COUNTRY	1987	1988	1989	1990	1991
CANADA	61	62	66	70	67
OTHER AMERICAS					
ARGENTINA	24	18	18	17	20
BRAZIL	84	77	82	78	101
CHILE	7	6	8	8	8
COLOMBIA	3	3	3	3	10
EL SALVADOR GUATEMALA HONDURAS	3	3	3	3	4
MEXICO	27	28	28	29	29
NICARAGUA	1	1	1	1	1
PERU	7	7	7	7	7
URUGUAY	2	2	2	2	2
VENEZUELA	0	0	0	5	7
JAPAN					
YARN+MONOFIL	14	16	20	22	25
STAPLE	36	38	38	42	46
FILM FIBER	NA	NA	NA	NA	NA
CHINA, PRC	144	240	165	225	275
OTHER ASIA					
KOREA, REP. OF	37	44	45	47	52
PHILIPPINES	3	3	3	6	10
TAIWAN	78	91	90	87	88
MIDDLE EAST, AFRICA & OCEANIA					
AUSTRALIA	20	26	28	30	27
SOUTH AFRICA	5	5	10	13	14
OTHER	1	1	1	1	1

a. As of January 1991, East & West Germany combined under Germany.

The olefin data shown include the "official" country data published by a government, an association or other statistical agency as well as an estimate of the olefin fiber, mainly slit and split film fiber, believed to have been produced in the country. For example: although U.S. olefin production data include yarn, monofil, staple, film fiber, and spunbonded polypropylene, published Italian and Japanese olefin data show the production of yarn+monofilaments and staple+tow but no data on production of film fiber, such as that used in sacks, fishing nets, and carpet backing. Estimates were made in the latter example.
Due to the inconsistencies in olefin production reporting, we have made no attempt to show a worldwide total.

TABLE 9:
NUMBER OF MANUFACTURED FIBER PRODUCING PLANTS (EXCEPT OLEFIN)

	ARTIFICIAL (CELL.)		SYNTHETIC (NONCELLULOSIC)						
COUNTRY & REGION	ACETATE[a]	RAYON	ACRYLIC[b]	NYLON[c]	POLY-ESTER	OTHER[d]	TOTAL	GLASS FIBER	GRAND TOTAL
WESTERN EUROPE									
AUSTRIA		3			1	1	2		5
BELGIUM/LUXEMBOURG	1	1		3	1		4	2	8
FINLAND		1						1	2
FRANCE		1		6	3	2	11	2	14
GERMANY[f]	1	9	4	14	12	4	34	4	48
GREECE		1		2	2		4		5
IRELAND			1	1	2		4		4
ITALY/MALTA	2	2	4	18	9	3	34	2	40
NETHERLANDS		2		1	1	2	4	1	7
NORWAY								1	1
PORTUGAL			1	1	1		3	1	4
SPAIN	1	2	2	7	5		14	1	18
SWEDEN		1						1	2
SWITZERLAND				4	4		8		8
TURKEY		1	2	4	7		13	1	15
UNITED KINGDOM	3	1	2	5	5	4	16	6	26
TOTAL WESTERN EUROPE	**8**	**25**	**16**	**66**	**53**	**16**	**151**	**23**	**207**
EASTERN EUROPE									
ALBANIA					1		1		1
BULGARIA		1	1	1	1		3		4
C.I.S.	4	15	2	12	5	1	20	11	50
CZECHOSLOVAKIA		4		3	2		5	2	11
HUNGARY			1	1			2		2
POLAND		4	1	1	2	2	6	2	12
ROMANIA		5	2	2	4		8		13
YUGOSLAVIA		2	1	2	5		8	1	11
TOTAL EASTERN EUROPE	**4**	**31**	**8**	**22**	**20**	**3**	**53**	**16**	**104**
U.S.A.	**3**	**3**	**4**	**33**	**36**	**12**	**85**	**16**	**107**
CANADA	**1**	**1**		**4**	**1**	**1**	**6**	**1**	**9**
OTHER AMERICAS									
ARGENTINA	1		1	6	2	1	10	1	12
BRAZIL	1	3	2	13	11	1	27	1	32
CHILE		1		2	2		4		5
COLOMBIA	1			3	4		7		8
COSTA RICA					1		1		1
CUBA		1							1
ECUADOR					3		3		3
GUATEMALA				1			1		1
MEXICO	1	1	3	8	6	2	19	1	22
PERU	1		2	4	4		10		11
URUGUAY	1			2	2		4		5
VENEZUELA	1			2	3	1	6		7
TOTAL OTHER AMERICAS	**7**	**6**	**8**	**41**	**38**	**5**	**92**	**3**	**108**
JAPAN	**3**	**11**	**7**	**10**	**19**	**18**	**54**	**7**	**75**
CHINA, PRC	**e**	**10**	**12**	**13**	**27**	**8**	**60**	**3**	**73**
OTHER ASIA									
BANGLADESH		2	1	1			2		4
INDIA	1	11	3	15	24		42		54
INDONESIA		2	1	2	10		13		15
KOREA, REP. OF	1	1	2	5	12	5	24		26
MALAYSIA		4	1		13		14		18
PAKISTAN	1			2	12		14		15
PHILIPPINES		1		1	1		2		3
SRI LANKA				1			1		1
TAIWAN		3	3	9	13		25		28
THAILAND		1	1	3	4		8		9
TOTAL OTHER ASIA	**3**	**25**	**12**	**39**	**89**	**5**	**145**		**173**
MIDDLE EAST, AFRICA & OCEANIA									
ALGERIA					1		1		1
AUSTRALIA				2	2		4	1	5
EGYPT		2		1	2		3		5
IRAN			1	2	1		4		4
IRAQ		1							1
ISRAEL				1			1		1
KENYA				2	4		6		6
NIGERIA					5		5		5
SOUTH AFRICA				3	4		7		7
TANZANIA					1		1		1
TOTAL MIDDLE EAST, AFRICA & OCEANIA		**3**	**1**	**11**	**20**		**32**	**1**	**36**
WORLD TOTAL*	**29**	**115**	**68**	**239**	**303**	**68**	**678**	**70**	**892**

Planned facilities indicated by an asterick (*) in our listing of worldwide producers are not included in the above table.

* Data for North Korea are not included here.

a. Acetate includes triacetate.

b. Acrylic includes modacrylic.

c. Nylon excludes aramid.

d. Other includes 23 spandex, 12 vinyon, 6 aramid, 6 vinal, 5 saran, 2 fluorocarbon, 2 PEEK, 2 PPS, and 1 each of azlon, biconstituent, cupro, PBI, polyacrylate, polycarbonate, polychial, polyiossamide, promix and sulfar.

e. China, PRC acetate data included with rayon data.

f. As of January 1991, East & West Germany combined under Germany.

TABLE 10:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEMS & COUNTRY	1992												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	157	66	48	15									286	275
BELGIUM	100	0	98	64									262	69
BRAZIL	54	105	79	78									316	410
CANADA	1201	1053	1475	1499									5228	3207
CHILE	0	0	0	0									0	110
GERMANY	1791	2639	816	1202									6448	2135
JAPAN	176	86	161	221									644	478
MEXICO	107	70	105	105									387	348
NETHERLANDS	254	262	157	145									818	946
UNITED KINGDOM	383	297	416	325									1421	121
ALL OTHER COUNTRIES [a]	8	11	20	33									72	81
TOTAL ARTIFICIAL YARN	**4231**	**4589**	**3375**	**3687**									**15882**	**8182**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	1567	1396	1473	1104									5540	4320
CANADA	4675	4144	4333	4376									17528	10953
CHINA, PRC	0	0	0	0									0	783
FINLAND	424	744	473	855									2496	1020
GERMANY	41	38	0	64									143	561
JAPAN	85	25	68	69									247	501
TAIWAN	220	0	287	441									948	5511
THAILAND	189	189	186	134									698	2608
UNITED KINGDOM	702	322	456	425									1905	1854
YUGOSLAVIA	298	0	128	256									682	3808
ALL OTHER COUNTRIES [b]	483	541	721	218									1963	551
TOTAL ARTIFICIAL STAPLE+TOW	**8684**	**7399**	**8125**	**7942**									**32150**	**32470**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	3	39	31	34									107	522
BRAZIL	0	5	11	3									19	48
CANADA	4980	3882	3597	6272									18731	14075
COSTA RICA	485	465	393	754									2097	2196
ECUADOR	0	0	0	0									0	83
FRANCE	1128	435	656	570									2789	2841
GERMANY	1433	2244	1807	2114									7598	6424
IRELAND	78	105	334	167									684	515
ISRAEL	294	338	210	191									1033	413
ITALY	209	113	119	90									531	282
JAPAN	1687	1635	1595	1419									6336	4423
KOREA, REP. OF	179	56	159	161									557	330
MEXICO	1047	1554	1449	1474									5524	6040
NETHERLANDS	412	362	667	279									1720	1094
TAIWAN	680	547	37	132									1396	357
THAILAND	107	79	109	94									389	288
UNITED KINGDOM	2218	2464	3076	2480									10238	7343
ALL OTHER COUNTRIES [c]	827	873	800	791									3291	437
TOTAL SYNTHETIC YARN	**15767**	**15198**	**15050**	**17025**									**63040**	**47711**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	22	13	12	23									70	69
AUSTRALIA	31	24	50	33									138	299
BRAZIL	2	0	0	0									2	396
CANADA	3647	4089	5469	3288									16493	5434
FRANCE	551	409	401	558									1919	1664
GERMANY	1983	2109	2302	2839									9233	6199
INDIA	93	47	262	1078									1480	7151
IRELAND	468	43	427	258									1196	0
ITALY	291	56	28	127									502	356
JAPAN	2184	3017	2863	3040									11104	8503
KOREA, REP. OF	7466	4228	9395	10932									32021	23781
MALAYSIA	88	44	0	0									132	143
MEXICO	1981	1579	1690	2413									7663	7851
SPAIN	62	64	104	209									439	56
SWITZERLAND	364	144	234	416									1158	681
TAIWAN	4520	5903	5818	6736									22977	10575
TURKEY	127	240	491	40									898	113
UNITED KINGDOM	1444	1677	1439	1742									6302	5836
ALL OTHER COUNTRIES [d]	194	36	81	556									867	423
TOTAL SYNTHETIC STAPLE+TOW	**25518**	**23722**	**31066**	**34288**									**114594**	**79530**

a. France 27, Korea, Rep. of 22, India 13, Italy 3, Uruguay 3, Taiwan 2, China, PRC 1, Thailand 1.

b. Spain 662, Brazil 571, Sweden 518, Belgium 77, Poland 43, Czechoslovakia 40, France 31, India 20, Italy 1.

c. South Africa 1709, Spain 325, Switzerland 307, Egypt 223, Australia 179, Portugal 160, India 144, Turkey 119, Austria 52, Hong Kong 19, Yugoslavia 17, Sweden 16, Honduras 9, China, PRC 4, Denmark 3, Colombia 2, Greece 2, Argentina 1.

d. China, PRC 441, Israel 138, Belgium 55, Denmark 52, South Africa 46, Hong Kong 44, Colombia 41, Romania 29, CIS 15, Netherlands 5, Sweden 1.

TABLE 11:
U.S. MANUFACTURED FIBER IMPORTS[a]
THOUSAND POUNDS

	1992												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	1583	2545	606	1024									5758	968
TEXTURED	0	0	13	0									13	0
OTHER	2637	2044	2756	2662									10099	7205
MONOFILAMENTS & STRIPS	11	0	0	1									12	9
SUBTOTAL ABOVE	**4231**	**4589**	**3375**	**3687**									**15882**	**8182**
STAPLE	8581	7288	7938	7753									31560	31732
TOW	103	111	187	189									590	738
TOPS	0	0	0	0									0	0
SUBTOTAL ABOVE	**8684**	**7399**	**8125**	**7942**									**32150**	**32470**
WASTE	**0**	**46**	**47**	**34**									**127**	**911**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	913	980	950	1250									4093	7809
TEXTURED														
UP TO 450 DENIER	411	517	424	475									1827	1065
OVER 450 DENIER	3249	1978	1764	3385									10376	5609
POY	2498	3305	3987	3561									13351	8679
OTHER	2245	1850	1791	2394									8280	4263
MONOFILAMENTS & STRIPS	172	165	112	183									632	484
SUBTOTAL ABOVE	**9488**	**8795**	**9028**	**11248**									**38559**	**27909**
POLYESTER														
HIGH TENACITY	1142	1602	1593	1524									5861	2765
TEXTURED	630	854	835	1106									3425	2826
POY	728	634	302	621									2285	826
OTHER	1229	1433	1192	885									4739	6460
MONOFILAMENTS & STRIPS	38	75	29	38									180	170
SUBTOTAL ABOVE	**3767**	**4598**	**3951**	**4174**									**16490**	**13047**
OTHER SYNTHETIC FILAMENT														
TEXTURED	212	93	72	119									496	691
OTHER	1496	1096	1231	965									4788	4027
MONOFILAMENTS & STRIPS	804	616	768	519									2707	2037
SUBTOTAL ABOVE	**2512**	**1805**	**2071**	**1603**									**7991**	**6755**
STAPLE														
NYLON	2554	2136	3403	2803									10896	7590
POLYESTER	17422	15430	20302	24558									77712	54083
ACRYLIC	1607	1450	2326	2048									7431	4268
POLYPROPYLENE	168	77	268	340									853	1073
OTHER	265	320	258	182									1025	1116
TOW														
NYLON	701	503	688	883									2775	1760
POLYESTER	35	78	122	0									235	492
ACRYLIC	2009	2686	2324	2657									9676	8762
OTHER	0	39	22	0									61	75
TOPS	757	1003	1353	817									3930	311
SUBTOTAL ABOVE	**25518**	**23722**	**31066**	**34288**									**114594**	**79530**
WASTE														
NYLON	791	1083	1481	1594									4949	6480
POLYESTER	1022	1149	1194	679									4044	4788
OTHER	606	633	681	946									2866	2066
TOTAL MANUFACTURED FIBERS ABOVE	**56619**	**53819**	**61019**	**66195**									**237652**	**182138**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	251	136	213	153									753	435
SPUN YARN	318	277	317	643									1555	1984
SPUN YARNS														
SYNTHETIC	922	559	702	621									2804	2630
ARTIFICIAL	0	0	0	0									0	0
PUT UP FOR RETAIL SALE	48	28	20	41									137	251
GRAND TOTAL ABOVE	**58158**	**54819**	**62271**	**67653**									**242901**	**187438**

SOURCE: U.S. Census Bureau Report IM145X.

a. U.S. General Imports.

TABLE 12:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

	1992												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	13	1	1	0									15	703
TEXTURED	7	61	13	37									118	348
OTHER	247	176	191	228									842	605
MONOFILAMENTS & STRIPS	19	42	100	47									208	64
SUBTOTAL ABOVE	**286**	**280**	**305**	**312**									**1183**	**1720**
STAPLE	1371	1087	1047	1643									5148	3008
TOPS	1910	479	218	19									2626	18
SUBTOTAL ABOVE	**3281**	**1566**	**1265**	**1662**									**7774**	**3026**
WASTE	**229**	**656**	**528**	**574**									**1987**	**3624**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	4619	5521	5465	5135									20740	34643
TEXTURED														
UP TO 450 DENIER	923	786	816	634									3159	5148
OVER 450 DENIER	6214	4125	4665	3499									18503	15259
POY	52	80	198	144									474	267
OTHER	3119	3582	3893	2738									13332	12772
MONOFILAMENTS & STRIPS	29	32	29	128									218	153
SUBTOTAL ABOVE	**14956**	**14126**	**15066**	**12278**									**56426**	**68242**
POLYESTER														
HIGH TENACITY	4556	3556	4228	3783									16123	22137
TEXTURED	5546	6616	8101	7258									27521	21421
POY	884	1205	1232	1411									4732	5636
OTHER	629	768	745	612									2754	9118
MONOFILAMENTS & STRIPS	113	95	99	337									644	802
SUBTOTAL ABOVE	**11728**	**12240**	**14405**	**13401**									**51774**	**59114**
OTHER SYNTHETIC FILAMENT														
TEXTURED	596	338	407	281									1622	2323
OTHER	1569	1395	2521	2129									7614	9115
MONOFILAMENTS & STRIPS	967	954	1275	1495									4691	4441
SUBTOTAL ABOVE	**3132**	**2687**	**4203**	**3905**									**13927**	**15879**
STAPLE														
NYLON	2465	2456	2976	2523									10420	7704
POLYESTER	7763	8890	7719	7642									32014	34305
ACRYLIC	1251	1310	1982	2654									7197	9692
POLYPROPYLENE	3041	3740	5748	3109									15638	10182
OTHER	454	266	323	262									1305	5463
TOW														
NYLON	340	361	359	315									1375	712
POLYESTER	108	7	43	40									198	170
ACRYLIC	556	557	630	428									2171	3983
OTHER	1	16	4	1									22	424
TOPS	9392	6332	3304	3984									23012	27843
SUBTOTAL ABOVE	**25371**	**23935**	**23088**	**20958**									**93352**	**100478**
WASTE														
NYLON	2800	2293	1940	2183									9216	12016
POLYESTER	3787	4239	4659	2716									15401	16578
OTHER	6168	5955	5627	5193									22943	27650
TOTAL MANUFACTURED FIBERS ABOVE	**71738**	**67977**	**71086**	**63182**									**273983**	**308327**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	610	560	819	455									2444	4127
SPUN YARN	278	1332	635	3130									5375	788
SPUN YARNS														
SYNTHETIC	2140	1933	2542	1301									7916	5446
ARTIFICIAL	526	355	508	312									1701	748
PUT UP FOR RETAIL SALE	2727	2230	3082	2318									10357	8450
GRAND TOTAL ABOVE	**78019**	**74387**	**78672**	**70698**									**301776**	**327886**

SOURCE: U.S. Census Bureau Report EM522.

TABLE 13:
FILAMENT YARN DOMESTIC SHIPMENTS[a]
MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1991				1992			
		1988	1989	1990	1991	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY[b]	N	100.3	j	j	j	j	j	j	j	j			
OTHER CIRCULAR KNIT[c]	N	26.4	139.1	128.1	136.0	34.1	33.9	31.8	36.2	31.8			
	P	119.5	132.4	129.8	146.9	27.1	31.2	40.7	47.9	48.7			
	C	0.6	0.5	0.8	0.8	0.2	0.2	0.2	0.2	0.2			
FLAT KNIT	C	24.3	21.4	15.0	12.3	3.7	4.5	2.2	1.9	1.8			
	N	133.4	125.2	103.7	106.9	25.3	24.6	28.8	28.2	28.7			
	P	162.1	181.0	142.7	169.8	37.4	42.6	43.8	46.0	44.5			
CARPET FACE	N	938.3	932.3	948.7	894.7	177.4	236.6	258.1	222.6	235.0			
	O	266.6	249.9	360.4	420.8	90.4	107.4	112.2	110.8	103.4			
CARPET BACKING[d]	O	427.0	463.4	447.5	413.3	96.5	102.7	109.5	104.6	100.4			
OTHER BROAD WOVEN[e]	C	141.9	149.4	152.9	165.8	34.4	42.8	43.7	44.9	41.0			
	N	78.3	88.8	95.5	93.6	20.9	21.9	25.3	25.5	24.0			
	P	391.3	360.7	353.3	383.2	86.8	97.7	100.2	98.5	91.2			
	O	337.3	337.5	415.0	387.4	84.1	102.7	102.3	98.3	92.2			
NARROW WOVEN[f]	C	4.4	4.4	3.2	0.5	0.2	0.1	0.1	0.1	0.1			
	N	42.0	36.9	35.7	38.3	9.9	10.4	8.9	9.1	9.9			
	P	81.0	76.4	73.1	69.9	13.3	18.7	19.4	18.5	15.8			
	O	19.0	19.8	17.3	17.9	3.9	4.7	4.7	4.6	3.6			
TIRES, INCL. CHAFER[g]	N	132.2	135.7	128.2	121.2	34.5	30.5	28.5	27.7	28.0			
	P	171.8	174.9	167.2	155.0	37.4	39.7	37.8	40.1	45.1			
OTHER RUBBER INDUSTRY[c,g]	N	20.4	18.1	19.1	19.7	5.1	4.7	4.8	5.1	6.5			
	P	25.2	32.7	40.7	36.9	8.4	9.9	8.9	9.7	9.8			
ROPE, CORDAGE & FISHLINE	N	36.4	34.2	39.2	36.1	8.8	9.9	9.0	8.4	7.8			
	P	12.5	14.4	15.1	13.7	3.4	2.7	3.8	3.8	3.0			
	O	120.3	125.6	120.8	101.0	26.3	26.1	22.3	26.3	30.3			
ALL OTHER[h]	C	11.4	11.6	0.8	0.5	0.2	0.1	0.1	0.1	+			
	N	64.7	65.0	39.3	47.4	11.1	14.2	12.5	9.6	9.2			
	P	194.0	138.2	124.3	138.6	35.3	41.2	32.7	29.4	34.7			
	O	29.6	29.8	43.9	40.2	10.8	9.4	10.3	9.7	9.7			
TOTAL ABOVE	**C**	**182.6**	**187.3**	**172.7**	**179.9**	**38.7**	**47.7**	**46.3**	**47.2**	**43.1**			
	N	**1572.4**	**1575.3**	**1537.5**	**1493.9**	**327.1**	**386.7**	**407.7**	**372.4**	**380.9**			
	P	**1157.4**	**1110.7**	**1046.2**	**1114.0**	**249.1**	**283.7**	**287.3**	**293.9**	**292.8**			
	O	**1199.8**	**1226.0**	**1404.9**	**1380.6**	**312.0**	**353.0**	**361.3**	**354.3**	**339.6**			
TOTAL DOMESTIC		**4112.2**	**4099.3**	**4161.3**	**4168.4**	**926.9**	**1071.1**	**1102.6**	**1067.8**	**1056.4**			
ALSO DIVIDED AS													
APPAREL		*941.2*	*924.7*	*846.7*	*950.5*	*217.1*	*239.9*	*241.2*	*252.3*	*244.6*			
HOME TEXTILES		*1902.6*	*1927.2*	*2036.5*	*2002.8*	*426.6*	*519.9*	*551.1*	*505.2*	*506.6*			
INDUSTRIAL		*1268.4*	*1247.4*	*1278.1*	*1215.1*	*283.2*	*311.3*	*310.3*	*310.3*	*305.2*			
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET)[i]													
NYLON		NA	NA	NA	NA	NA	NA	NA	NA	NA			
POLYESTER		649.9	597.3	560.4	655.9	146.7	164.2	167.7	177.3	173.6			
OLEFIN		24.4	26.0	28.7	NA	6.0	7.9	NA	NA	NA			

(C) ARTIFICIAL (CELLULOSIC) YARN ***(N) NYLON*** ***(P) POLYESTER*** ***(O) OLEFIN***

NA No longer available.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small quantities of polyester and artificial (cellulosic) yarn are included in All Other.

c. Small quantities of olefin are included in All Other.

d. Small quantities of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Artificial (cellulosic) yarn quantities included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin quantities include sliver knit backing. Also includes indirect exports.

i. These quantities are included in the Total Domestic area above.

j. Nylon quantities are included in Other Circular Knit.

TABLE 14:
STAPLE+TOW DOMESTIC SHIPMENTS

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1991				1992			
ITEM		1988	1989	1990	1991	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	183.2	174.5	139.7	135.2	30.1	38.0	32.4	34.7	k			
	NPR	2.7	2.1	2.4	2.4	0.6	0.4	0.7	0.7	0.4			
PILE FABRICS[b]	A	21.3	20.0	15.2	k	k	k	k	k	k			
	P	14.7	15.3	12.4	9.5	2.8	2.6	2.1	2.0	3.1			
OTHER CIRCULAR KNIT + FLAT KNIT[c]	R	2.5	NA	NA	NA	NA	NA	NA	NA	NA			
	A	139.0	132.4	109.0	105.9	26.9	28.8	29.7	20.5	63.5			
	P	470.0	519.5	485.3	483.7	109.4	123.0	121.3	130.0	134.9			
BLANKETS[b]	A	25.1	29.8	i	i	i	i	i	i	i			
	P	6.9	9.2	3.3	4.2	0.3	0.8	0.6	2.5	1.0			
OTHER BROAD WOVEN	R	243.0	NA	NA	NA	NA	NA	NA	NA	NA			
	N	35.2	32.7	26.9	j	j	j	j	j	j			
	A	39.3	40.5	50.7	50.3	10.9	14.1	14.2	11.1	9.3			
	P	863.5	821.8	687.4	682.1	156.3	162.4	175.3	188.1	177.8			
	O	17.1	21.6	18.3	35.8	8.6	9.6	9.8	7.8	8.2			
CARPET FACE YARNS[f]	R	0.4	NA	NA	NA	NA	NA	NA	NA	NA			
	N	887.7	894.9	896.8	768.9	162.2	202.0	216.4	188.3	192.4			
	P	261.2	211.6	166.5	230.4	38.2	58.8	60.5	72.9	70.5			
	O	138.2	137.7	127.4	123.4	23.9	32.2	33.2	34.1	31.7			
FIBERFILL[d]	P	357.2	349.5	376.3	429.5	96.5	107.5	113.1	112.4	108.5			
FLOCK	NP	6.9	7.5	9.6	12.4	3.3	2.7	3.1	3.3	3.9			
	R	0.1	NA	NA	NA	NA	NA	NA	NA	NA			
NONWOVENS[e]	R	122.3	NA	NA	NA	NA	NA	NA	NA	NA			
	N	2.1	2.4	2.9	j	j	j	j	j	j			
	P	244.1	271.5	239.9	237.3	57.1	58.0	61.8	60.4	54.8			
	O	180.9	194.8	232.5	271.6	63.1	66.8	70.4	71.3	67.5			
ALL OTHER	R	17.2	NA	NA	NA	NA	NA	NA	NA	NA			
	N	13.7	17.8	13.9	53.2	13.6	14.6	13.4	11.6	10.0			
	A	13.2	17.4	37.6	27.8	8.2	6.2	6.5	6.9	10.9			
	P	91.3	61.0	42.0	49.3	6.7	12.2	13.3	17.1	9.6			
	O	8.0	9.3	9.7	6.7	1.5	2.0	1.6	1.6	2.0			
TOTAL ABOVE	**R**	**386.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**			
	N	**944.9**	**955.3**	**950.2**	**835.0**	**179.1**	**219.5**	**233.1**	**203.3**	**206.5**			
	A	**421.1**	**414.8**	**352.2**	**319.2**	**76.1**	**87.1**	**82.8**	**73.2**	**83.7**			
	P	**2311.8**	**2261.3**	**2015.4**	**2127.9**	**467.9**	**525.5**	**548.5**	**586.0**	**560.4**			
	O	**344.2**	**363.4**	**387.9**	**437.5**	**97.1**	**110.6**	**115.0**	**114.8**	**109.4**			
TOTAL DOMESTIC		**4408.0**	**3994.8**	**3705.7**	**3719.6**	**820.2**	**942.7**	**979.4**	**977.3**	**960.0**			
ALSO DIVIDED AS													
APPAREL		*1421.6*	*1266.8*	*1061.6*	*1023.2*	*236.2*	*263.8*	*261.2*	*262.0*	*276.3*			
HOME TEXTILES		*1827.5*	*1695.7*	*1597.4*	*1517.3*	*315.2*	*385.4*	*408.2*	*408.5*	*399.8*			
INDUSTRIAL		*1158.9*	*1032.3*	*1046.7*	*1179.1*	*268.8*	*293.5*	*310.0*	*306.8*	*283.9*			

(R) RAYON [h]   (N) NYLON   (A) ACRYLIC+MODACRYLIC   (P) POLYESTER   (O) OLEFIN [g]

NA No longer available.
a. Olefin quantities are included in All Other.
b. Rayon and nylon quantities are included in All Other.
c. Nylon quantities are included in All Other.
d. Rayon, acrylic and nylon quantities are included in All Other.
e. Wet & dry laid and needled batts only.
f. Acrylic and nylon quantities are included in All Other.
g. Data exclude Vinyon.
h. Rayon staple+tow data no longer available in 1989-1992.
i. Acrylic quantities are included in All Other.
j. Nylon quantities are included in All Other.
k. Acrylic quantities are included in Other Circular Knit + Flat Knit.

TABLE 15:
SELECTED U.S. MONTHLY FIBER DATA
MILLION POUNDS

ITEM	1992												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
	MANUFACTURED FIBER TOTAL SHIPMENTS [b][c]													
ARTIFICIAL (CELLULOSIC)														
YARN	16.8	17.9	17.4	21.7	19.0								92.8	85.7
RAYON STAPLE	23.0	21.0	22.7	19.8	23.9								110.4	105.8
TOTAL ARTIFICIAL (CELLULOSIC)	**39.8**	**38.9**	**40.1**	**41.5**	**42.9**								**203.2**	**191.5**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL [d]	25.2	23.2	28.8	27.7	26.2								131.1	140.3
- CARPET	82.4	77.9	86.2	92.5	86.5								425.5	353.8
- TEXTILE [f]	33.9	29.2	31.8	30.4	31.1								156.4	158.9
POLYESTER - INDUSTRIAL [d]	30.4	28.6	31.4	34.7	32.5								157.6	136.6
- TEXTILE [f]	71.2	67.8	77.1	81.3	74.1								371.5	344.1
OLEFIN [e]	110.0	115.0	121.4	129.7	130.4								606.5	557.5
TOTAL YARN	**353.1**	**341.7**	**376.7**	**396.3**	**380.8**								**1848.6**	**1691.2**
STAPLE+TOW+FIBERFILL														
NYLON	70.8	63.5	79.3	85.3	77.6								376.5	341.5
ACRYLIC+MODACRYLIC	35.1	33.5	39.5	39.5	38.2								185.8	178.5
POLYESTER	195.1	186.8	203.1	208.9	177.4								971.3	877.3
OLEFIN	36.0	38.4	39.4	37.9	37.1								188.8	179.4
TOTAL STAPLE	**337.0**	**322.2**	**361.3**	**371.6**	**330.3**								**1722.4**	**1576.7**
TOTAL SYNTHETIC (NONCELLULOSIC)	**690.1**	**663.9**	**738.0**	**767.9**	**711.1**								**3571.0**	**3267.9**
TOTAL MANUFACTURED FIBER	**729.9**	**702.8**	**778.1**	**809.4**	**754.0**								**3774.2**	**3459.4**
	MANUFACTURED FIBER END-OF-MONTH STOCK													
ARTIFICIAL (CELLULOSIC)														
YARN	11.3	11.2	10.9	11.5	12.4								12.4	9.4
RAYON STAPLE	25.6	25.7	26.9	30.7	30.4								30.4	23.9
TOTAL ARTIFICIAL (CELLULOSIC)	**36.9**	**36.9**	**37.8**	**42.2**	**42.8**								**42.8**	**33.3**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL [d]	30.7	29.6	24.5	22.8	22.5								22.5	26.1
- CARPET	82.8	81.3	79.0	71.7	69.1								69.1	58.5
- TEXTILE [f]	43.4	48.6	52.7	50.0	48.8								48.8	47.3
POLYESTER - INDUSTRIAL [d]	34.6	35.9	34.5	33.5	34.4								34.4	42.5
- TEXTILE [f]	98.0	98.7	94.1	80.2	80.4								80.4	90.7
OLEFIN [e]	58.8	59.5	57.4	54.4	50.9								50.9	56.4
TOTAL YARN	**348.3**	**353.6**	**342.2**	**312.6**	**306.1**								**306.1**	**321.5**
STAPLE+TOW+FIBERFILL														
NYLON	64.0	63.5	56.5	51.0	55.1								55.1	61.2
ACRYLIC+MODACRYLIC	82.3	83.1	79.7	75.2	74.2								74.2	74.9
POLYESTER	144.3	147.3	146.9	137.7	135.8								135.8	170.5
OLEFIN	33.6	35.3	38.1	41.4	43.1								43.1	30.1
TOTAL STAPLE	**324.2**	**329.2**	**321.2**	**305.3**	**308.2**								**308.2**	**336.7**
TOTAL SYNTHETIC (NONCELLULOSIC)	**672.5**	**682.8**	**663.4**	**617.9**	**614.3**								**614.3**	**658.2**
TOTAL MANUFACTURED FIBER	**709.4**	**719.7**	**701.2**	**660.1**	**657.1**								**657.1**	**691.5**
	COTTON CONSUMPTION													
RAW COTTON	369.5	383.0	495.5	377.3									1625.3	NA
	WOOL CONSUMPTION [g]													
	1ST QUARTER			2ND QUARTER			3RD QUARTER			4TH QUARTER				
APPAREL CLASS WOOL	39.3												39.3	33.7
CARPET CLASS WOOL	4.6												4.6	3.1
TOTAL RAW WOOL	**43.9**												**43.9**	**36.8**

NA - Not Available

[a] "Year to date" totals for stock, are the latest month's figures.

[b] The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

[c] Producers' total domestic shipments plus export shipments.

[d] Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

[e] Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

[f] Includes low denier industrial yarn.

[g] **Wool data available on a quarterly basis only.**

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- Flat Yarn
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- Indirect Exports

Quarterly

- Production
- Domestic Shipments
- Imports
- Exports
- Shipments by Denier
- Inventories
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FIBER ORGANON

Volume 63, No. 7 ☐ July 1992

A publication of *Fiber Economics Bureau, Inc.*

Highlights

- Worldwide Manufactured Fiber Survey in Millions of Pounds.
- Worldwide Fiber Demand remains virtually the same at 84,531 million pounds.
  ...Demand for manufactured fiber stood at 38,959 million pounds.
  ...Demand for natural fibers stood at 45,572 million pounds.

SHIPMENTS:

In June, total manufactured fiber shipments reached 737 million pounds, 2% below the 752 million pounds shipped in May and 3% above the 714 milllion pounds shipped in June 1991.

June shipments of synthetic (noncellulosic) filament yarn fell 2% to 371 million pounds and staple+tow fell 1% to 326 million pounds.

Contributing to the decrease in shipments over the previous month were nylon carpet yarn down 7% or 6 million pounds and acrylic+modacrylic staple+tow down 5% or 2 million pounds and nylon industrial yarn down 1 million pounds or 4%.

Year-to-date domestic shipments of manufactured fiber are up 10% and exports are down 14%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

	1992		% CHG	1991	% CHG	YEAR TO DATE		% CHG YTD
ITEM	JUN	MAY	6/92 - 5/92	JUN	6/92 - 6/91	1992	1991	1992 - 1991
ARTIFICIAL (CELLULOSIC)								
YARN	19.0	19.0	- -	17.7	*+7.3*	111.8	103.4	*+8.1*
RAYON STAPLE	20.3	23.9	*-15.1*	22.7	*-10.6*	130.7	128.5	*+1.7*
TOTAL ARTIFICIAL (CELL.)	**39.3**	**42.9**	***-8.4***	**40.4**	***-2.7***	**242.5**	**231.9**	***+4.6***
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	25.1	26.2	*-4.2*	24.4	*+2.9*	156.2	164.7	*-5.2*
- CARPET	80.2	86.5	*-7.3*	80.4	*-0.2*	505.7	434.2	*+16.5*
- TEXTILE [a]	30.2	31.1	*-2.9*	28.6	*+5.6*	186.6	187.5	*-0.5*
POLYESTER - INDUSTRIAL	31.5	30.5	*+3.3*	29.1	*+8.2*	188.0	165.7	*+13.5*
- TEXTILE [a]	76.2	74.1	*+2.8*	68.5	*+11.2*	447.6	412.6	*+8.5*
OLEFIN	128.1	130.4	*-1.8*	121.1	*+5.8*	734.6	678.6	*+8.3*
TOTAL YARN	**371.3**	**378.8**	***-2.0***	**352.1**	***+5.5***	**2218.7**	**2043.3**	***+8.6***
STAPLE+TOW+FIBERFILL								
NYLON	75.0	77.6	*-3.4*	70.7	*+6.1*	451.5	412.2	*+9.5*
ACRYLIC+MODACRYLIC	36.2	38.2	*-5.2*	42.0	*-13.8*	222.0	220.5	*+0.7*
POLYESTER	179.2	177.4	*+1.0*	171.6	*+4.4*	1150.5	1048.9	*+9.7*
OLEFIN	35.6	37.1	*-4.0*	37.5	*-5.1*	224.4	216.9	*+3.5*
TOTAL STAPLE	**326.0**	**330.3**	***-1.3***	**321.8**	***+1.3***	**2048.4**	**1898.5**	***+7.9***
TOTAL SYNTHETIC (NONCELL.)	**697.3**	**709.1**	***-1.7***	**673.9**	***+3.5***	**4267.1**	**3941.8**	***+8.3***
TOTAL MANUFACTURED FIBER	**736.6**	**752.0**	***-2.0***	**714.3**	***+3.1***	**4509.6**	**4173.7**	***+8.0***
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS [b]	698.5	718.3	*-2.8*	670.3	*+4.2*	4280.3	3908.0	*+9.5*
EXPORTS [c]	38.1	33.7	*+13.1*	44.0	*-13.4*	229.3	265.7	*-13.7*

-- No change.

a. Includes low denier industrial yarn.

b. Includes olefin exports.

c. Excludes olefin exports.

Fiber Organon

A Monthly Review

July 1992

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GRAPH 1:
WORLDWIDE DEMAND FOR CERTAIN FIBERS
SHARE

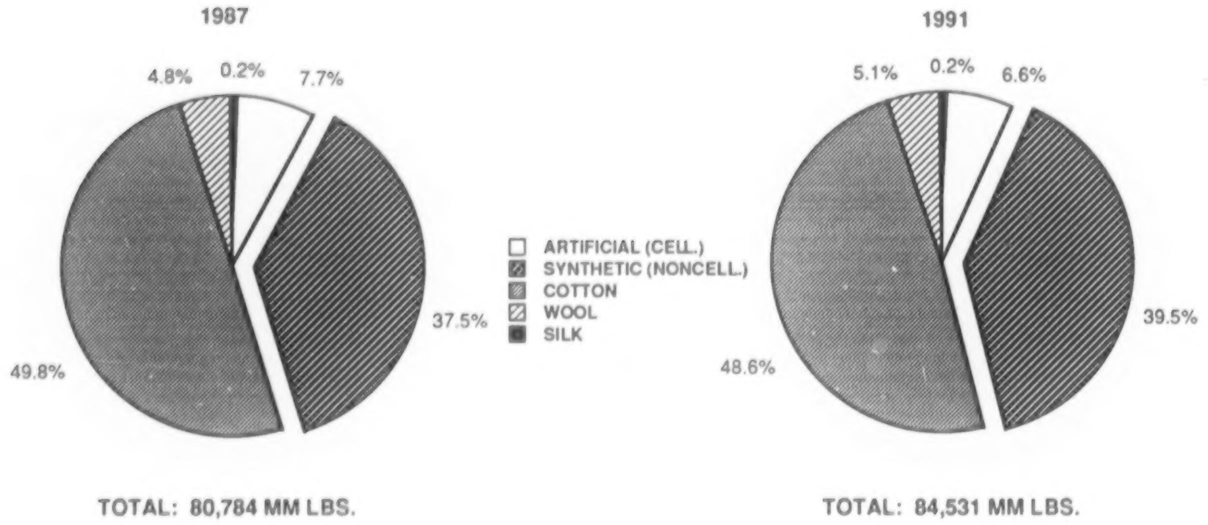


TABLE 2:
WORLDWIDE DEMAND FOR CERTAIN FIBERS
MILLION POUNDS

TYPE OF FIBER	1987	1988	1989	1990	1991	% CHANGE 1991/1990
ARTIFICIAL (CELLULOSIC) FIBERS						
YARN+MONOFILAMENTS	2009	2077	2027	1936	1835	*-5.2*
STAPLE+TOW	4220	4271	4396	4097	3708	*-9.5*
TOTAL ARTIFICIAL (CELLULOSIC)	**6229**	**6348**	**6423**	**6033**	**5543**	***-8.1***
SYNTHETIC (NONCELLULOSIC) FIBERS						
YARN+MONOFILAMENTS	13315	14447	15049	15481	15832	*+2.3*
STAPLE+TOW	16978	17250	17513	17372	17584	*+1.2*
TOTAL SYNTHETIC (NONCELLULOSIC)	**30293**	**31697**	**32562**	**32853**	**33416**	***+1.7***
TOTAL MANUFACTURED [a]	**36522**	**38045**	**38985**	**38886**	**38959**	***+0.2***
% of World Total	*45%*	*46%*	*46%*	*46%*	*46%*	
NATURAL FIBERS						
RAW COTTON [b]	40219	40750	41299	41257	41116	*-0.3*
RAW WOOL[c]	3904	3995	4116	4310	4308	*- -*
RAW SILK[d]	139	141	146	146	148	*+1.4*
TOTAL NATURAL	**44262**	**44886**	**45561**	**45713**	**45572**	***-0.3***
% of World Total	*55%*	*54%*	*54%*	*54%*	*54%*	
WORLD TOTAL	**80784**	**82931**	**84546**	**84599**	**84531**	***-0.1***
World Total %	*100%*	*100%*	*100%*	*100%*	*100%*	

- - No change

The silk and manufactured fiber data are on a calendar year basis, while the figures for cotton and wool are on a seasonal basis.

a. Manufactured fiber data are from tables 4 and 5. Glass fiber, olefin and acetate cigarette tow production are not included.

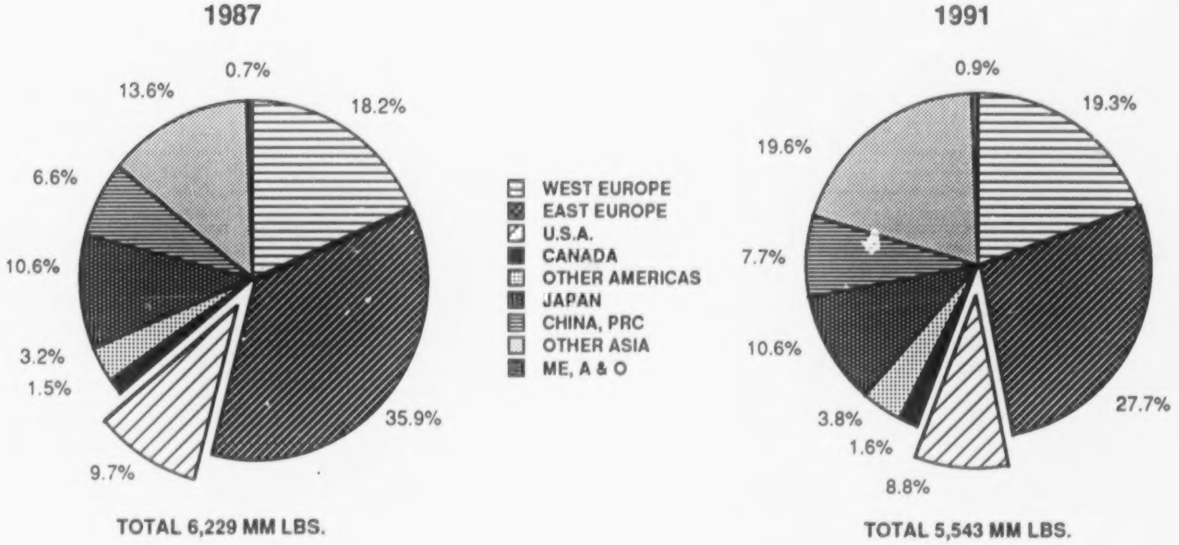
b. International Cotton Advisory Committee. ***COTTON: Review of the World Situation***, March - April 1992. New series based on cotton consumption data.

c. Commonwealth Secretariat. ***Wool Statistics 1990-91***, on a clean wool basis. See also the December 1991 ***Fiber Organon***, page 291.

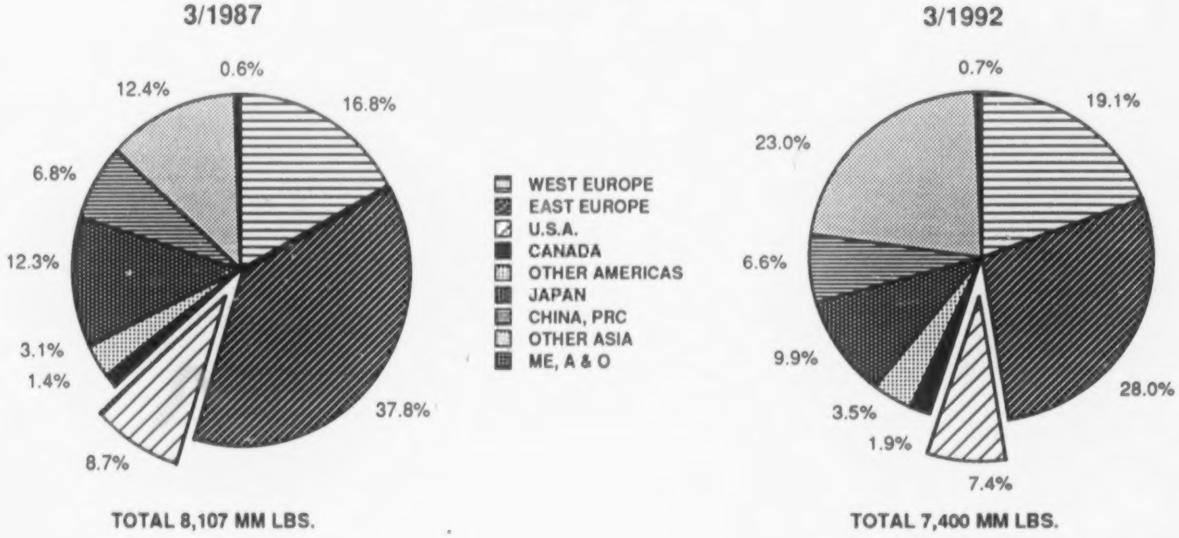
d. International Silk Association; Food and Agriculture Organization of the United Nations.

GRAPH 2:
PERCENT SHARE OF WORLDWIDE ARTIFICIAL (CELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY AREA

PRODUCTION

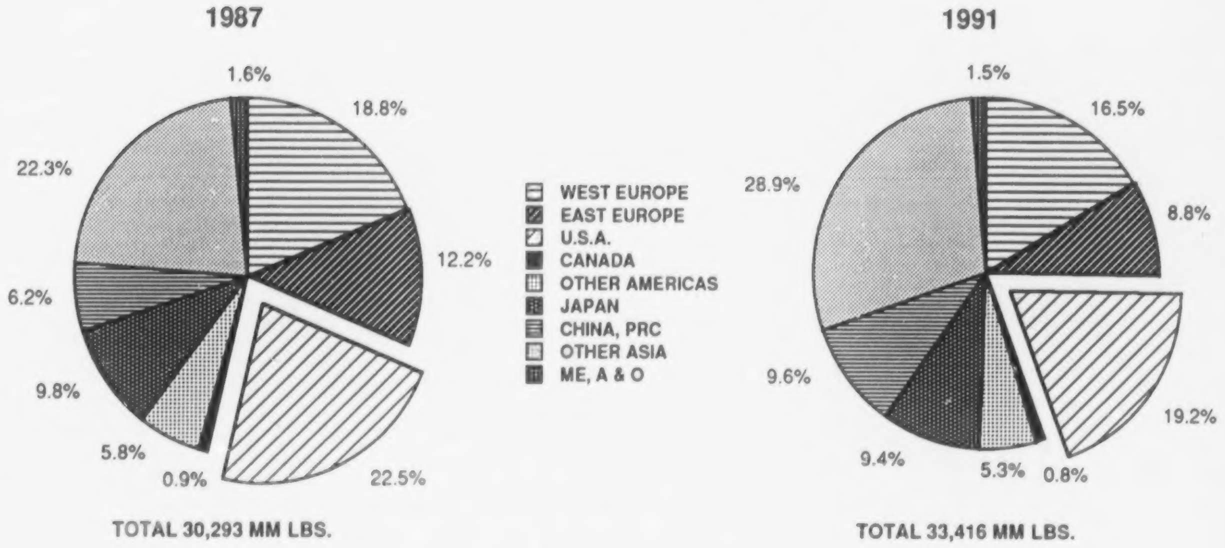


PRODUCING CAPACITY



GRAPH 3:
PERCENT SHARE OF WORLDWIDE SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY AREA

PRODUCTION



PRODUCING CAPACITY

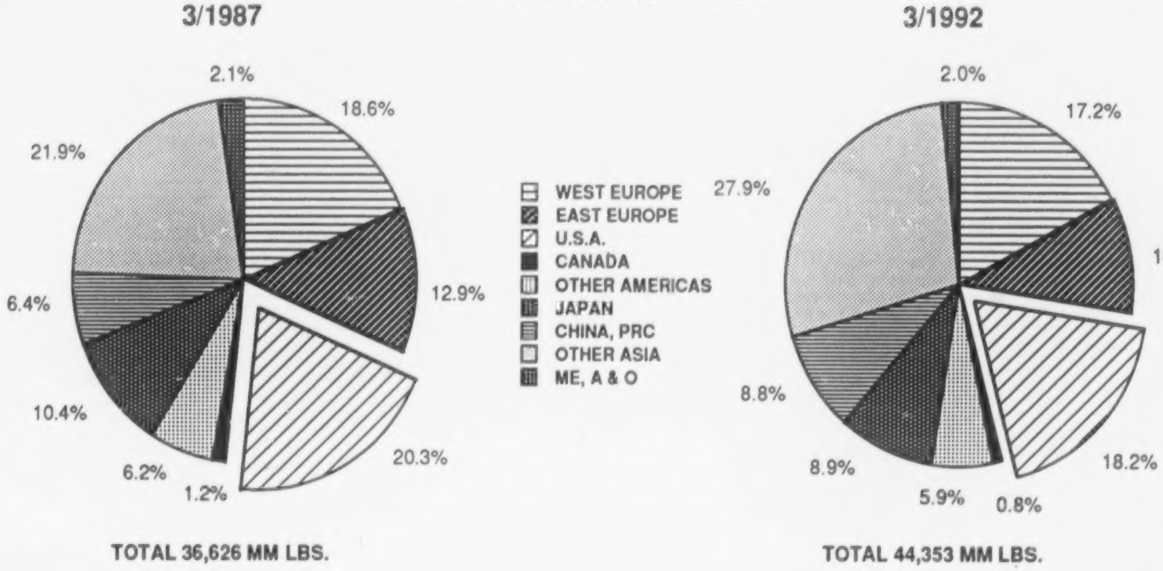


TABLE 3:
WORLDWIDE SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN

MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION								
	1987			1988			1989		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE									
AUSTRIA	0	34.6	34.6	0	36.8	36.8	0	38.4	38.4
BENELUX[a]	163.1	72.8	235.9	169.5	74.1	243.6	176.4	88.2	264.6
FINLAND	0.2	0	0.2	0.2	0	0.2	0.4	0	0.4
FRANCE	125.2	229.7	354.9	128.7	256.6	385.3	128.7	235.0	363.7
GERMANY[b]	783.3	890.7	1674.0	793.4	862.4	1655.8	782.6	925.9	1708.5
GREECE	20.7	22.0	42.7	20.9	20.9	41.8	22.5	17.6	40.1
IRELAND	24.3	138.9	163.2	29.8	144.8	174.6	36.8	161.6	198.4
ITALY/MALTA	377.0	867.7	1244.7	411.4	832.5	1243.9	429.9	760.6	1190.5
PORTUGAL	0	127.4	127.4	0	119.7	119.7	0	123.0	123.0
SPAIN	177.5	414.5	592.0	175.5	409.6	585.1	174.8	387.3	562.1
SWITZERLAND	146.0	48.7	194.7	160.5	60.4	220.9	160.1	50.7	210.8
TURKEY	152.1	421.1	573.2	169.8	401.2	571.0	191.8	432.1	623.9
UNITED KINGDOM	179.5	268.1	447.6	206.4	220.2	426.6	220.5	187.4	407.9
TOTAL WESTERN EUROPE	**2148.9**	**3536.2**	**5685.1**	**2266.1**	**3439.2**	**5705.3**	**2324.5**	**3407.8**	**5732.3**
EASTERN EUROPE									
ALBANIA	1.1	0	1.1	1.1	0	1.1	1.1	0	1.1
BULGARIA	87.3	107.4	194.7	90.2	108.5	198.7	90.2	109.3	199.5
C.I.S.	959.0	904.3	1863.3	1009.0	884.7	1893.7	1040.6	886.2	1926.8
CZECHOSLOVAKIA	168.9	102.5	271.4	204.1	107.1	311.2	195.5	115.3	310.8
EAST GERMANY	163.8	177.9	341.7	174.2	213.2	387.4	149.9	241.0	390.9
HUNGARY	15.0	30.4	45.4	17.6	31.3	48.9	13.7	30.9	44.6
POLAND	193.6	102.7	296.3	198.4	111.6	310.0	194.0	113.3	307.3
ROMANIA	131.2	313.9	445.1	107.4	316.6	424.0	89.5	261.7	351.2
YUGOSLAVIA	101.4	140.9	242.3	99.6	127.4	227.0	103.8	133.2	237.0
TOTAL EASTERN EUROPE	**1821.3**	**1880.0**	**3701.3**	**1901.6**	**1900.4**	**3802.0**	**1878.3**	**1890.9**	**3769.2**
TOTAL EUROPE	**3970.2**	**5416.2**	**9386.4**	**4167.7**	**5339.6**	**9507.3**	**4202.8**	**5298.7**	**9501.5**

Y Yarn+monofilaments.
S Staple+tow+fiberfill.
a. Includes Belgium, Netherlands and Luxembourg.
b. As of January 1991, East & West Germany combined under Germany.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1990			1991			3/1992			12/1993		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
0	38.6	38.6	0	37.9	37.9	*0*	*48.5*	*48.5*	*0*	*48.5*	*48.5*
176.4	88.2	264.6	201.5	93.9	295.4	*272.3*	*179.7*	*452.0*	*227.1*	*158.7*	*385.8*
0.4	0	0.4	0	0	0	*1.1*	*0*	*1.1*	*0*	*0*	*0*
129.4	216.7	346.1	108.0	114.6	222.6	*180.8*	*149.9*	*330.7*	*176.4*	*143.3*	*319.7*
800.3	912.7	1713.0	766.3	860.7	1627.0	*1146.4*	*1208.1*	*2354.5*	*1153.0*	*1212.5*	*2365.5*
22.5	8.8	31.3	13.2	0	13.2	*37.5*	*0*	*37.5*	*17.6*	*0*	*17.6*
35.5	169.5	205.0	36.2	173.3	209.5	*79.4*	*209.4*	*288.8*	*50.7*	*198.4*	*249.1*
411.2	825.6	1236.8	393.7	792.3	1186.0	*515.9*	*903.9*	*1419.8*	*514.1*	*934.3*	*1448.4*
0	127.4	127.4	0	141.1	141.1	*0*	*164.2*	*164.2*	*0*	*169.8*	*169.8*
175.3	378.1	553.4	169.8	366.0	535.8	*246.9*	*500.4*	*747.3*	*242.3*	*491.8*	*734.1*
166.4	39.7	206.1	147.3	35.3	182.6	*187.4*	*72.8*	*260.2*	*176.4*	*63.9*	*240.3*
187.4	404.5	591.9	299.8	376.5	676.3	*381.4*	*551.2*	*932.6*	*396.2*	*525.8*	*922.0*
220.5	180.8	401.3	169.8	227.1	396.9	*220.5*	*377.0*	*597.5*	*222.7*	*304.2*	*526.9*
2325.3	**3390.6**	**5715.9**	**2305.6**	**3218.7**	**5524.3**	***3269.6***	***4365.1***	***7634.7***	***3176.5***	***4251.2***	***7427.7***
1.1	0	1.1	2.2	0	2.2	*4.4*	*0*	*4.4*	*4.4*	*11.0*	*15.4*
72.8	91.3	164.1	72.5	78.5	151.0	*123.5*	*147.7*	*271.2*	*123.5*	*147.7*	*271.2*
1070.3	899.5	1969.8	953.0	826.9	1779.9	*1327.2*	*1095.7*	*2422.9*	*1351.4*	*1239.0*	*2590.4*
203.7	105.8	309.5	145.5	52.9	198.4	*223.5*	*191.8*	*415.3*	*246.9*	*191.8*	*438.7*
125.7	164.0	289.7	b	b	b	*b*	*b*	*b*	*b*	*b*	*b*
10.6	31.5	42.1	5.5	23.1	28.6	*18.7*	*55.1*	*73.8*	*18.7*	*77.2*	*95.9*
140.2	89.9	230.1	145.1	51.1	196.2	*245.2*	*127.9*	*373.1*	*245.2*	*149.9*	*395.1*
86.4	222.0	308.4	82.5	277.1	359.6	*117.1*	*377.0*	*494.1*	*117.1*	*377.0*	*494.1*
114.0	141.8	255.8	101.0	122.1	223.1	*196.2*	*273.4*	*469.6*	*202.8*	*273.4*	*476.2*
1824.8	**1745.8**	**3570.6**	**1507.3**	**1431.7**	**2939.0**	***2255.8***	***2268.6***	***4524.4***	***2310.0***	***2467.0***	***4777.0***
4150.1	**5136.4**	**9286.5**	**3812.9**	**4650.4**	**8463.3**	***5525.4***	***6633.7***	***12159.1***	***5486.5***	***6718.2***	***12204.7***

TABLE 3:
WORLDWIDE SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY EXCEPT OLEFIN *(CONTINUED)*
MILLION POUNDS

	ACTUAL PRODUCTION								
	1987			1988			1989		
COUNTRY	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	**2875.9**	**3945.7**	**6821.6**	**2956.2**	**3981.6**	**6937.8**	**2968.3**	**3908.8**	**6877.1**
CANADA	**157.6**	**128.3**	**285.9**	**170.6**	**130.5**	**301.1**	**143.7**	**131.4**	**275.1**
OTHER AMERICAS									
ARGENTINA	61.5	64.8	126.3	62.4	45.0	107.4	53.6	43.7	97.3
BRAZIL	300.6	246.5	547.1	277.3	251.1	528.4	290.1	251.8	541.9
CHILE	9.7	6.0	15.7	11.2	6.2	17.4	11.7	6.6	18.3
COLOMBIA	85.1	23.8	108.9	79.4	28.4	107.8	83.3	30.2	113.5
COSTA RICA	9.3	0	9.3	9.5	0	9.5	9.9	0	9.9
ECUADOR	12.3	0	12.3	14.3	0	14.3	11.5	0	11.5
MEXICO	276.2	458.3	734.5	290.1	460.1	750.2	330.7	447.1	777.8
PERU	26.2	73.9	100.1	26.9	69.7	96.6	25.4	58.6	84.0
URUGUAY	4.4	7.5	11.9	4.6	7.9	12.5	4.2	10.6	14.8
VENEZUELA	31.5	48.3	79.8	39.9	46.1	86.0	42.5	60.8	103.3
TOTAL OTHER AMERICAS	**816.8**	**929.1**	**1745.9**	**815.6**	**914.5**	**1730.1**	**862.9**	**909.4**	**1772.3**
JAPAN	**1342.2**	**1613.3**	**2955.5**	**1364.4**	**1616.0**	**2980.4**	**1448.2**	**1596.1**	**3044.3**
CHINA, PRC	**460.8**	**1404.3**	**1865.1**	**899.0**	**1469.8**	**2368.8**	**1045.6**	**1651.0**	**2696.6**
OTHER ASIA									
BANGLADESH	1.1	0	1.1	1.3	0	1.3	1.3	0	1.3
INDIA	353.4	233.0	586.4	441.1	267.9	709.0	478.8	329.6	808.4
INDONESIA	235.9	178.4	414.3	229.3	219.6	448.9	279.5	220.5	500.0
KOREA, REP. OF	1057.1	1081.6	2138.7	1279.3	1178.8	2458.1	1386.5	1236.8	2623.3
MALAYSIA	0	85.8	85.8	0	88.2	88.2	0	91.0	91.0
PAKISTAN	56.4	56.0	112.4	62.6	71.2	133.8	66.1	57.3	123.4
PHILIPPINES	50.7	28.0	78.7	54.0	33.1	87.1	42.5	36.4	78.9
SRI LANKA	3.3	0	3.3	4.2	0	4.2	4.4	0	4.4
TAIWAN	1576.5	1490.8	3067.3	1615.3	1537.7	3153.0	1727.3	1630.5	3357.8
THAILAND	113.1	148.1	261.2	123.9	164.0	287.9	138.2	179.7	317.9
TOTAL OTHER ASIA	**3447.5**	**3301.7**	**6749.2**	**3811.0**	**3560.5**	**7371.5**	**4124.6**	**3781.8**	**7906.4**
MIDDLE EAST, AFRICA & OCEANIA									
ALGERIA	0	0	0	0	0	0	0	0	0
AUSTRALIA/N.Z.	35.3	2.4	37.7	34.6	2.6	37.2	33.1	3.5	36.6
EGYPT	15.2	70.8	86.0	18.1	75.4	93.5	20.7	84.7	105.4
IRAN	20.9	57.1	78.0	21.8	55.1	76.9	22.7	63.9	86.6
ISRAEL	25.4	22.0	47.4	26.5	17.6	44.1	27.3	0	27.3
KENYA	11.0	2.4	13.4	11.0	2.4	13.4	13.2	2.4	15.6
NIGERIA	8.8	6.8	15.6	9.9	6.8	16.7	9.9	2.4	12.3
SOUTH AFRICA	120.8	77.8	198.6	133.8	77.6	211.4	125.7	79.1	204.8
TANZANIA	6.6	0	6.6	6.6	0	6.6	0	0	0
TOTAL M.E., A. & O.	**244.0**	**239.3**	**483.3**	**262.3**	**237.5**	**499.8**	**252.6**	**236.0**	**488.6**
TOTAL WORLD	**13315.0**	**16977.9**	**30292.9**	**14446.8**	**17250.0**	**31696.8**	**15048.7**	**17513.2**	**32561.9**

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1990			1991			3/1992			12/1993		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
2777.1	**3585.3**	**6362.4**	**2874.1**	**3525.6**	**6399.7**	***3625.0***	***4459.0***	***8084.0***	***3772.0***	***4466.0***	***8238.0***
144.2	**127.0**	**271.2**	**144.6**	**134.7**	**279.3**	***181.7***	***185.2***	***366.9***	***181.7***	***185.2***	***366.9***
58.2	44.5	102.7	61.1	45.6	106.7	*98.3*	*76.3*	*174.6*	*100.5*	*76.3*	*176.8*
251.8	193.1	444.9	222.0	196.7	418.7	*416.0*	*302.0*	*718.0*	*422.8*	*341.5*	*764.3*
11.9	14.3	26.2	11.5	13.7	25.2	*17.0*	*24.3*	*41.3*	*17.0*	*24.3*	*41.3*
91.5	30.9	122.4	90.6	38.6	129.2	*131.0*	*87.1*	*218.1*	*135.4*	*87.1*	*222.5*
13.4	0	13.4	13.9	0	13.9	*17.6*	*0*	*17.6*	*17.6*	*0*	*17.6*
13.2	0	13.2	12.6	0	12.6	*15.9*	*0*	*15.9*	*16.5*	*0*	*16.5*
365.7	447.5	813.2	378.3	490.7	869.0	*467.6*	*712.1*	*1179.7*	*478.6*	*793.7*	*1272.3*
24.9	71.0	95.9	25.4	70.8	96.2	*38.6*	*81.6*	*120.2*	*38.6*	*81.6*	*120.2*
4.0	9.7	13.7	4.2	9.7	13.9	*9.9*	*12.1*	*22.0*	*9.9*	*12.1*	*22.0*
25.4	41.9	67.3	25.6	58.4	84.0	*50.7*	*68.6*	*119.3*	*50.7*	*68.6*	*119.3*
860.0	**852.9**	**1712.9**	**845.2**	**924.2**	**1769.4**	***1262.6***	***1364.1***	***2626.7***	***1287.6***	***1485.2***	***2772.8***
1547.8	**1593.7**	**3141.5**	**1576.1**	**1575.6**	**3151.7**	***1957.7***	***1993.0***	***3950.7***	***1957.7***	***1993.0***	***3950.7***
1171.1	**1789.3**	**2960.4**	**1243.4**	**1953.1**	**3196.5**	***1499.1***	***2403.0***	***3902.1***	***1642.4***	***2766.8***	***4409.2***
1.3	0	1.3	1.5	0	1.5	*2.2*	*0*	*2.2*	*10.1*	*19.8*	*29.9*
571.7	390.9	962.6	578.7	390.2	968.9	*829.2*	*812.0*	*1641.2*	*1017.2*	*1019.2*	*2036.4*
326.3	253.5	579.8	369.3	309.7	679.0	*634.9*	*420.2*	*1055.1*	*822.3*	*698.9*	*1521.2*
1482.2	1317.0	2799.2	1626.6	1380.7	3007.3	*1830.7*	*1457.2*	*3287.9*	*2029.1*	*1523.4*	*3552.5*
0	92.4	92.4	0	99.2	99.2	*24.3*	*138.9*	*163.2*	*81.6*	*160.9*	*242.5*
69.4	88.6	158.0	81.1	142.2	223.3	*149.9*	*231.5*	*381.4*	*158.7*	*275.6*	*434.3*
49.6	38.6	88.2	57.5	73.9	131.4	*160.9*	*79.4*	*240.3*	*183.0*	*79.4*	*262.4*
4.6	0	4.6	5.5	0	5.5	*7.3*	*0*	*7.3*	*7.3*	*0*	*7.3*
1909.2	1665.6	3574.8	2165.8	1893.8	4059.6	*2594.2*	*2134.9*	*4729.1*	*2594.2*	*2134.9*	*4729.1*
154.1	201.7	355.8	193.3	279.5	472.8	*460.1*	*425.5*	*885.6*	*539.5*	*555.6*	*1095.1*
4568.4	**4048.3**	**8616.7**	**5079.3**	**4569.2**	**9648.5**	***6693.7***	***5699.6***	***12393.3***	***7443.0***	***6467.7***	***13910.7***
0	0	0	0	0	0	*0*	*0*	*0*	*0*	*33.1*	*33.1*
33.7	4.4	38.1	31.1	4.6	35.7	*44.1*	*4.9*	*49.0*	*44.1*	*4.9*	*49.0*
23.6	88.2	111.8	21.4	89.9	111.3	*44.1*	*191.8*	*235.9*	*52.9*	*207.2*	*260.1*
26.9	70.5	97.4	29.1	79.6	108.7	*97.0*	*97.0*	*194.0*	*97.0*	*132.3*	*229.3*
28.4	0	28.4	23.8	0	23.8	*37.5*	*0*	*37.5*	*37.5*	*0*	*37.5*
13.9	2.2	16.1	13.9	2.6	16.5	*34.8*	*6.6*	*41.4*	*34.8*	*6.6*	*41.4*
10.4	2.4	12.8	10.6	2.9	13.5	*39.7*	*6.6*	*46.3*	*50.7*	*30.9*	*81.6*
126.3	71.0	197.3	126.8	71.4	198.2	*151.7*	*103.0*	*254.7*	*164.7*	*103.0*	*267.7*
0	0	0	0	0	0	*11.0*	*0*	*11.0*	*11.0*	*0*	*11.0*
263.2	**238.7**	**501.9**	**256.7**	**251.0**	**507.7**	***459.9***	***409.9***	***869.8***	***492.7***	***518.0***	***1010.7***
15481.9	**17371.6**	**32853.5**	**15832.3**	**17583.8**	**33416.1**	***21205.1***	***23147.5***	***44352.6***	***22263.6***	***24600.1***	***46863.7***

TABLE 4:
WORLDWIDE ARTIFICIAL (CELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY

MILLION POUNDS

	ACTUAL PRODUCTION								
	1987			1988			1989		
COUNTRY	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WESTERN EUROPE [a]									
AUSTRIA	DETAIL NO LONGER AVAILABLE		264.6	DETAIL NO LONGER AVAILABLE		291.0	DETAIL NO LONGER AVAILABLE		299.8
BELGIUM/NETHERLANDS			88.2			90.4			88.2
FINLAND			119.0			133.2			142.9
FRANCE			50.7			33.1			4.4
GERMANY [b]			260.1			269.0			284.4
GREECE			17.2			15.9			16.5
ITALY			63.9			70.5			77.2
PORTUGAL			2.6			1.8			2.0
SPAIN			77.2			81.6			88.2
SWEDEN			50.7			44.1			44.8
TURKEY			17.6			19.2			20.5
UNITED KINGDOM			121.3			141.1			121.3
TOTAL WESTERN EUROPE	**407.8**	**725.3**	**1133.1**	**421.2**	**769.7**	**1190.9**	**434.4**	**755.8**	**1190.2**
EASTERN EUROPE									
BULGARIA	9.5	0	9.5	9.7	0	9.7	9.3	0	9.3
C.I.S.	543.4	760.6	1304.0	581.6	743.4	1325.0	540.3	747.1	1287.4
CZECHOSLOVAKIA	40.6	81.1	121.7	41.4	87.1	128.5	30.6	87.3	117.9
EAST GERMANY	79.1	266.1	345.2	80.0	261.9	341.9	62.6	266.8	329.4
HUNGARY	0	9.0	9.0	0	9.3	9.3	0	9.5	9.5
POLAND	42.5	119.0	161.5	44.5	119.0	163.5	38.6	106.0	144.6
ROMANIA	19.8	125.7	145.5	20.1	146.6	166.7	20.5	190.9	211.4
YUGOSLAVIA	29.3	110.2	139.5	30.9	119.0	149.9	32.8	123.9	156.7
TOTAL EASTERN EUROPE	**764.2**	**1471.7**	**2235.9**	**808.2**	**1486.3**	**2294.5**	**734.7**	**1531.5**	**2266.2**
TOTAL EUROPE	**1172.0**	**2197.0**	**3369.0**	**1229.4**	**2256.0**	**3485.4**	**1169.1**	**2287.3**	**3456.4**

Y Yarn+monofilaments.

S Staple+tow+fiberfill.

a. Due to disclosure, country detail is no longer available.

b. As of January 1991, East & West Germany combined under Germany.

These totals do not include data for the Indonesian pilot plant nor production of artificial (cellulosic) fiber in North Korea.

Production and producing capacity by country, divided between rayon and acetate yarn, is given on pages 138 - 139.

Also note page 144 for data on production of cigarette tow.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1990			1991			3/1992			12/1993		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
DETAIL NO LONGER AVAILABLE		297.6	DETAIL NO LONGER AVAILABLE		264.6	DETAIL NO LONGER AVAILABLE		299.8	DETAIL NO LONGER AVAILABLE		299.8
		86.0			83.8			94.8			94.8
		140.7			104.5			158.7			134.5
		4.4			4.4			6.6			6.6
		286.6			260.1			396.8			423.3
		15.4			11.0			17.6			17.6
		79.4			70.5			97.0			97.0
		1.8			1.8			2.2			2.2
		79.4			66.1			92.6			92.6
		53.8			41.4			55.1			57.3
		23.6			23.8			24.7			24.7
		156.5			138.9			167.5			167.5
416.7	**808.5**	**1225.2**	**407.4**	**663.5**	**1070.9**	**482.7**	**930.7**	**1413.4**	**482.7**	**935.2**	**1417.9**
9.5	0	9.5	9.3	0	9.3	11.0	0	11.0	11.0	0	11.0
487.2	712.1	1199.3	504.9	634.9	1139.8	621.7	747.4	1369.1	621.7	747.4	1369.1
22.0	84.9	106.9	4.0	80.9	84.9	7.7	125.7	133.4	7.7	125.7	133.4
57.5	94.8	152.3	b	b	b	b	b	b	b	b	b
0	9.0	9.0	0	0	0	22.0	0	22.0	22.0	0	22.0
40.3	48.1	88.4	18.3	37.9	56.2	50.7	99.2	149.9	50.7	99.2	149.9
21.6	110.5	132.1	13.7	70.1	83.8	24.3	194.0	218.3	24.3	194.0	218.3
33.5	126.8	160.3	33.1	127.6	160.7	37.5	132.3	169.8	37.5	132.3	169.8
671.6	**1186.2**	**1857.8**	**583.3**	**951.4**	**1534.7**	**774.9**	**1298.6**	**2073.5**	**774.9**	**1298.6**	**2073.5**
1088.3	**1994.7**	**3083.0**	**990.7**	**1614.9**	**2605.6**	**1257.6**	**2229.3**	**3486.9**	**1257.6**	**2233.8**	**3491.4**

TABLE 4:
WORLDWIDE ARTIFICIAL (CELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY COUNTRY *(CONTINUED)*

MILLION POUNDS

COUNTRY	ACTUAL PRODUCTION								
	1987			1988			1989		
	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
U.S.A.	**191.1**	**414.3**	**605.4**	**213.9**	**399.8**	**613.7**	**217.5**	**362.8**	**580.3**
CANADA	**28.7**	**62.8**	**91.5**	**28.9**	**73.2**	**102.1**	**28.9**	**73.9**	**102.8**
OTHER AMERICAS									
ARGENTINA	7.3	5.5	12.8	7.7	0	7.7	7.5	0	7.5
BRAZIL	33.1	74.7	107.8	32.8	80.7	113.5	32.6	88.6	121.2
CHILE	2.9	8.8	11.7	2.9	9.0	11.9	2.9	9.3	12.2
COLOMBIA	5.1	0	5.1	3.3	0	3.3	2.2	0	2.2
CUBA	6.0	19.4	25.4	1.5	19.6	21.1	1.3	23.4	24.7
MEXICO	25.1	0	25.1	26.5	0	26.5	27.8	0	27.8
PERU	2.4	0	2.4	2.9	0	2.9	3.1	0	3.1
URUGUAY	2.6	0	2.6	3.5	0	3.5	2.9	0	2.9
VENEZUELA	4.9	0	4.9	4.9	0	4.9	3.3	0	3.3
TOTAL OTHER AMERICAS	**89.4**	**108.4**	**197.8**	**86.0**	**109.3**	**195.3**	**83.6**	**121.3**	**204.9**
JAPAN	**219.1**	**443.3**	**662.4**	**220.0**	**420.6**	**640.6**	**218.0**	**383.6**	**601.6**
CHINA, PRC	**121.3**	**291.0**	**412.3**	**105.6**	**264.6**	**370.2**	**105.6**	**286.6**	**392.2**
OTHER ASIA									
BANGLADESH	9.9	2.9	12.8	10.6	2.2	12.8	11.0	2.6	13.6
INDIA	111.8	257.5	369.3	116.0	267.9	383.9	124.3	313.7	438.0
INDONESIA	0	114.6	114.6	0	130.1	130.1	0	130.1	130.1
KOREA, REP. OF	31.1	0	31.1	33.3	0	33.3	33.7	0	33.7
PAKISTAN	7.3	0	7.3	6.2	0	6.2	6.2	0	6.2
PHILLIPPINES	0	0	0	0	0	0	0	0	0
TAIWAN	5.3	258.4	263.7	5.7	271.6	277.3	5.7	319.7	325.4
THAILAND	0	47.2	47.2	0	52.9	52.9	0	90.8	90.8
TOTAL OTHER ASIA	**165.4**	**680.6**	**846.0**	**171.8**	**724.7**	**896.5**	**180.9**	**856.9**	**1037.8**
MIDDLE EAST, AFRICA & OCEANIA									
EGYPT	15.4	10.6	26.0	15.4	11.0	26.4	17.0	11.5	28.5
IRAQ	6.8	12.1	18.9	6.4	12.1	18.5	6.6	12.3	18.9
TOTAL M.E., A & O	**22.2**	**22.7**	**44.9**	**21.8**	**23.1**	**44.9**	**23.6**	**23.8**	**47.4**
TOTAL WORLD	**2009.2**	**4220.1**	**6229.3**	**2077.4**	**4271.3**	**6348.7**	**2027.2**	**4396.2**	**6423.4**

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1990			1991			3/1992			12/1993		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
206.2	**299.1**	**505.3**	**213.2**	**273.3**	**486.5**	***220.0***	***325.0***	***545.0***	***220.0***	***325.0***	***545.0***
24.7	**62.8**	**87.5**	**24.9**	**65.0**	**89.9**	***54.0***	***83.8***	***137.8***	***54.0***	***83.8***	***137.8***
5.1	0	5.1	6.0	0	6.0	*8.8*	*0*	*8.8*	*8.8*	*0*	*8.8*
32.8	87.3	120.1	32.6	98.3	130.9	*37.5*	*103.6*	*141.1*	*37.5*	*125.7*	*163.2*
2.9	9.5	12.4	3.1	9.5	12.6	*3.3*	*11.9*	*15.2*	*3.3*	*11.9*	*15.2*
4.4	0	4.4	4.6	0	4.6	*7.7*	*0*	*7.7*	*7.7*	*0*	*7.7*
0.2	17.4	17.6	0.7	18.3	19.0	*3.3*	*24.3*	*27.6*	*3.3*	*24.3*	*27.6*
27.8	0	27.8	29.5	0	29.5	*46.5*	*0*	*46.5*	*46.5*	*0*	*46.5*
3.1	0	3.1	3.1	0	3.1	*3.7*	*0*	*3.7*	*3.7*	*0*	*3.7*
3.5	0	3.5	3.7	0	3.7	*4.2*	*0*	*4.2*	*4.2*	*0*	*4.2*
3.1	0	3.1	3.3	0	3.3	*5.3*	*0*	*5.3*	*5.3*	*0*	*5.3*
82.9	**114.2**	**197.1**	**86.6**	**126.1**	**212.7**	***120.3***	***139.8***	***260.1***	***120.3***	***161.9***	***282.2***
218.5	**389.6**	**608.1**	**212.7**	**374.6**	**587.3**	***258.8***	***473.8***	***732.6***	***258.8***	***473.8***	***732.6***
107.4	**315.3**	**422.7**	**107.8**	**319.7**	**427.5**	***132.3***	***352.7***	***485.0***	***132.3***	***352.7***	***485.0***
10.4	2.6	13.0	10.6	2.6	13.2	*14.3*	*11.0*	*25.3*	*14.3*	*11.0*	*25.3*
128.3	349.4	477.7	130.1	344.8	474.9	*166.0*	*431.7*	*597.7*	*172.4*	*572.8*	*745.2*
0	132.3	132.3	0	138.9	138.9	*0*	*451.9*	*451.9*	*0*	*562.2*	*562.2*
34.8	0	34.8	24.0	0	24.0	*39.7*	*46.3*	*86.0*	*39.7*	*46.3*	*86.0*
6.2	0	6.2	6.2	0	6.2	*6.6*	*0*	*6.6*	*6.6*	*0*	*6.6*
0	0	0	0	0	0	*0*	*55.1*	*55.1*	*0*	*55.1*	*55.1*
4.9	321.2	326.1	4.6	324.1	328.7	*7.1*	*330.0*	*337.1*	*7.1*	*330.0*	*337.1*
0	91.5	91.5	0	99.9	99.9	*0*	*141.1*	*141.1*	*0*	*165.3*	*165.3*
184.6	**897.0**	**1081.6**	**175.5**	**910.3**	**1085.8**	***233.7***	***1467.1***	***1700.8***	***240.1***	***1742.7***	***1982.8***
17.4	11.5	28.9	17.4	11.5	28.9	*17.6*	*11.9*	*29.5*	*17.6*	*11.9*	*29.5*
6.6	12.3	18.9	6.6	12.3	18.9	*7.7*	*14.3*	*22.0*	*7.7*	*14.3*	*22.0*
24.0	**23.8**	**47.8**	**24.0**	**23.8**	**47.8**	***25.3***	***26.2***	***51.5***	***25.3***	***26.2***	***51.5***
1936.6	**4096.5**	**6033.1**	**1835.4**	**3707.7**	**5543.1**	***2302.0***	***5097.7***	***7399.7***	***2308.4***	***5399.9***	***7708.3***

TABLE 5:
WORLDWIDE RAYON VS. ACETATE FILAMENT YARN PRODUCTION & PRODUCING CAPACITY BY COUNTRY
MILLION POUNDS

	ACTUAL PRODUCTION								
	1987			1988			1989		
COUNTRY	H	R&C	A	H	R&C	A	H	R&C	A
WESTERN EUROPE									
AUSTRIA	DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE		
BELGIUM/NETHERLANDS									
FRANCE									
WEST GERMANY[a,d]									
ITALY[a]									
SPAIN									
UNITED KINGDOM									
OTHER[b]									
TOTAL WESTERN EUROPE	**148**	**154**	**106**	**165**	**146**	**110**	**174**	**148**	**112**
EASTERN EUROPE									
BULGARIA	0	9	0	0	9	0	0	9	0
C.I.S.[a]	258	176	110	262	187	132	229	201	110
CZECHOSLOVAKIA	18	22	0	20	22	0	11	20	0
EAST GERMANY	31	49	0	31	51	0	9	53	0
HUNGARY	0	0	0	0	0	0	0	0	0
POLAND	11	33	0	11	35	0	11	29	0
ROMANIA	11	9	0	11	9	0	11	9	0
YUGOSLAVIA	13	15	0	13	15	0	15	18	0
TOTAL EASTERN EUROPE	**342**	**313**	**110**	**348**	**328**	**132**	**286**	**339**	**110**
U.S.A.[a]	**15**	**13**	**163**	**15**	**13**	**185**	**NA**	**NA**	**NA**
CANADA	**0**	**0**	**29**	**0**	**0**	**29**	**NA**	**NA**	**NA**
OTHER AMERICAS									
ARGENTINA	0	0	7	0	0	8	0	0	8
BRAZIL	0	33	0	0	33	0	0	33	0
CHILE	0	3	0	0	3	0	0	3	0
COLOMBIA	0	0	5	0	0	4	0	0	2
CUBA	7	0	0	2	0	0	2	0	0
MEXICO	4	9	13	4	9	13	4	9	15
PERU	0	0	2	0	0	2	0	0	2
URUGUAY	0	0	2	0	0	4	0	0	2
VENEZUELA	0	0	4	0	0	4	0	0	4
TOTAL OTHER AMERICAS	**11**	**45**	**33**	**6**	**45**	**35**	**6**	**45**	**33**
JAPAN[a]	**4**	**155**	**60**	**2**	**158**	**60**	**0**	**161**	**57**
CHINA, PRC	**0**	**121**	**0**	**22**	**84**	**0**	**22**	**84**	**0**
OTHER ASIA									
BANGLADESH	0	10	0	0	11	0	0	11	0
INDIA	11	101	+	20	97	0	18	106	0
KOREA, REP. OF	0	26	5	0	26	7	0	24	9
PAKISTAN	0	0	7	0	0	7	0	0	7
TAIWAN	0	5	0	0	4	0	0	6	0
TOTAL OTHER ASIA	**11**	**142**	**12**	**20**	**138**	**14**	**18**	**147**	**16**
OTHER M.E., A & O[c]	**0**	**22**	**0**	**0**	**22**	**0**	**0**	**24**	**0**
WORLD TOTAL	**531**	**965**	**513**	**578**	**934**	**565**	**NA**	**NA**	**NA**

NA	No Longer Available
H	High tenacity (tire & industrial type) viscose rayon yarn.
R	Regular + intermediate tenacity viscose rayon yarn.
C	Cuprammonium rayon yarn.
A	Acetate + triacetate yarn.

[a] Produces both regular + intermediate rayon yarn and cuprammonium rayon yarn.

[b] Comprises Greece, Portugal and Turkey.

[c] Comprises Egypt and Iraq.

[d] As of January 1991, East & West Germany combined under Germany.

ACTUAL PRODUCTION						PRODUCING CAPACITY					
1990			1991			3/1992			12/1993		
H	R&C	A	H	R&C	A	H	R&C	A	H	R&C	A
DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE			DETAIL NO LONGER AVAILABLE		
157	**148**	**112**	**154**	**143**	**110**	**192**	**165**	**126**	**192**	**165**	**126**
0	10	0	0	9	0	0	11	0	0	11	0
190	187	110	219	176	110	298	192	132	298	192	132
7	15	0	0	4	0	0	8	0	0	8	0
4	53	0	d	d	d	d	d	d	d	d	d
0	0	0	0	0	0	0	22	0	0	22	0
9	31	0	0	18	0	0	51	0	0	51	0
13	9	0	9	5	0	13	11	0	13	11	0
18	15	0	15	18	0	17	20	0	17	20	0
241	**320**	**110**	**243**	**230**	**110**	**328**	**315**	**132**	**328**	**315**	**132**
NA	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
NA	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**
0	0	5	0	0	6	0	0	9	0	0	9
0	33	0	0	33	0	0	37	0	0	37	0
0	3	0	0	3	0	0	2	0	0	2	0
0	0	4	0	0	5	0	0	9	0	0	9
+	0	0	+	0	0	4	0	0	4	0	0
7	7	15	7	7	15	7	9	31	7	9	31
0	0	3	0	0	3	0	0	4	0	0	4
0	0	3	0	0	3	0	0	4	0	0	4
0	0	3	0	0	3	0	0	4	0	0	4
7	**43**	**33**	**7**	**43**	**35**	**11**	**48**	**61**	**11**	**48**	**61**
0	**159**	**60**	**0**	**153**	**60**	**0**	**185**	**73**	**0**	**185**	**73**
22	**85**	**0**	**22**	**86**	**0**	**26**	**106**	**0**	**26**	**106**	**0**
0	11	0	0	11	0	0	15	0	0	15	0
15	112	0	18	112	0	46	119	0	46	126	0
0	24	11	0	13	11	0	26	13	0	26	13
0	0	7	0	0	7	0	0	7	0	0	7
0	5	0	0	4	0	0	7	0	0	7	0
15	**152**	**18**	**18**	**140**	**18**	**46**	**167**	**20**	**46**	**174**	**20**
0	**24**	**0**	**0**	**24**	**0**	**0**	**25**	**0**	**0**	**25**	**0**
NA	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**

TABLE 6:
WORLDWIDE SYNTHETIC (NONCELLULOSIC) FIBER PRODUCTION & PRODUCING CAPACITY BY FIBER EXCEPT OLEFIN
MILLION POUNDS

	ACTUAL PRODUCTION								
	1987			1988			1989		
FIBER & AREA	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
ACRYLIC+MODACRYLIC									
WEST EUROPE*	2	2090	2092	2	1929	1931	2	1748	1750
EAST EUROPE	0	611	611	0	628	628	0	628	628
U.S.A.	0	591	591	0	589	589	0	542	542
CANADA	0	0	0	0	0	0	0	0	0
OTHER AMERICAS	0	399	399	0	399	399	0	377	377
JAPAN	7	891	898	7	871	878	7	802	809
CHINA, PRC	0	165	165	0	170	170	0	231	231
OTHER ASIA	0	758	758	0	774	774	0	794	794
MIDDLE EAST, AFRICA & OCEANIA	0	44	44	0	37	37	0	31	31
TOTAL	**9**	**5549**	**5558**	**9**	**5397**	**5406**	**9**	**5153**	**5162**
NYLON+ARAMID [a]									
WEST EUROPE*	1142	302	1444	1208	302	1510	1228	326	1554
EAST EUROPE	1270	220	1490	1307	205	1512	1294	187	1481
U.S.A.	1698	992	2690	1728	941	2669	1759	981	2740
CANADA	112	29	141	121	29	150	123	35	158
OTHER AMERICAS	364	22	386	353	15	368	364	15	379
JAPAN	578	37	615	589	33	622	586	35	621
CHINA, PRC	174	2	176	205	2	207	223	4	227
OTHER ASIA	935	13	948	1016	13	1029	1060	13	1073
MIDDLE EAST, AFRICA & OCEANIA	128	2	130	137	2	139	126	2	128
TOTAL	**6401**	**1619**	**8020**	**6664**	**1542**	**8206**	**6763**	**1598**	**8361**
POLYESTER									
WEST EUROPE*	994	1124	2118	1045	1188	2233	1075	1314	2389
EAST EUROPE	549	1043	1592	593	1060	1653	582	1069	1651
U.S.A.	1178	2363	3541	1228	2452	3680	1209	2386	3595
CANADA	45	99	144	50	102	152	21	96	117
OTHER AMERICAS	451	508	959	461	500	961	497	517	1014
JAPAN	713	623	1336	724	646	1370	311	679	1490
CHINA, PRC	265	1093	1358	677	1168	1845	805	1279	2084
OTHER ASIA	2513	2527	5040	2795	2771	5566	3064	2973	6037
MIDDLE EAST, AFRICA & OCEANIA	116	194	310	125	199	324	127	203	330
TOTAL	**6824**	**9574**	**16398**	**7698**	**10086**	**17784**	**8191**	**10516**	**18707**
OTHER FIBERS EXCEPT OLEFIN [b]									
WEST EUROPE*	11	20	31	11	20	31	20	20	40
EAST EUROPE	2	6	8	2	7	9	2	7	9
U.S.A.	+	+	+	+	+	+	+	+	+
CANADA	+	0	+	+	0	+	+	0	+
OTHER AMERICAS	2	0	2	2	0	2	2	0	2
JAPAN	44	62	106	44	66	110	44	80	124
CHINA, PRC	22	144	166	17	130	147	18	137	155
OTHER ASIA	0	4	4	0	2	2	0	2	2
MIDDLE EAST, AFRICA & OCEANIA	0	0	0	0	0	0	0	0	0
TOTAL	**81**	**236**	**317**	**76**	**225**	**301**	**86**	**246**	**332**
TOTAL FIBERS ABOVE									
WEST EUROPE*	2149	3536	5685	2266	3439	5705	2325	3408	5733
EAST EUROPE	1821	1880	3701	1902	1900	3802	1878	1891	3769
U.S.A.	2876	3946	6822	2956	3982	6938	2968	3909	6877
CANADA	157	128	285	171	131	302	144	131	275
OTHER AMERICAS	817	929	1746	816	914	1730	863	909	1772
JAPAN	1342	1613	2955	1364	1616	2980	1448	1596	3044
CHINA, PRC	461	1404	1865	899	1470	2369	1046	1651	2697
OTHER ASIA	3448	3302	6750	3811	3560	7371	4124	3782	7906
MIDDLE EAST, AFRICA & OCEANIA	244	240	484	262	238	500	253	236	489
WORLD TOTAL	**13315**	**16978**	**30293**	**14447**	**17250**	**31697**	**15049**	**17513**	**32562**

Y Yarn+monofilaments.
S Staple+tow+fiberfill.
+ Nominal quantities.
-- Negligable

* As of January 1991, data include East Germany.

a. U.S.A. nylon producing capacity data do not include aramid.

b. Other fibers are alginate, azlon, spandex or elastomer, saran, TFE-fluorocarbon, vinal and vinyon. U.S.A. production data do not include spandex.

ACTUAL PRODUCTION						PRODUCING CAPACITY						% UTILIZATION [c]	
1990			1991			3/1992			12/1993				
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S
0	1779	1779	0	1700	1700	0	2262	2262	0	2207	2207	0	74.3
0	578	578	0	496	496	0	716	716	0	747	747	0	59.6
0	505	505	0	454	454	0	496	496	0	496	496	0	93.4
0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	362	362	0	399	399	0	516	516	0	549	549	0	74.6
9	791	800	9	798	807	13	939	952	13	939	952	69.2	85.0
0	269	269	0	282	282	0	342	342	0	584	584	0	78.7
0	794	794	0	869	869	0	988	988	0	1138	1138	0	89.7
0	37	37	0	44	44	0	55	55	0	71	71	0	80.0
9	**5115**	**5124**	**9**	**5042**	**5051**	**13**	**6314**	**6327**	**13**	**6731**	**6744**	**69.2**	**78.0**
1173	337	1510	1215	342	1557	1753	476	2229	1700	467	2167	75.1	76.4
1239	176	1415	1032	139	1171	1455	256	1711	1486	256	1742	67.5	53.0
1671	990	2661	1667	869	2536	2028	1116	3144	2149	1116	3265	82.7	77.4
123	35	158	123	33	156	157	53	210	157	53	210	66.3	62.3
353	13	366	359	13	372	538	26	564	549	26	575	66.9	45.6
604	33	637	584	31	615	705	55	760	705	55	760	81.8	53.9
225	4	229	240	11	251	353	22	375	386	33	419	72.5	50.0
1124	13	1137	1239	9	1248	1894	22	1916	2176	44	2220	71.9	45.0
130	2	132	130	2	132	231	7	238	234	7	241	59.9	28.6
6642	**1603**	**8245**	**6589**	**1449**	**8038**	**9114**	**2033**	**11147**	**9542**	**2057**	**11599**	**74.3**	**71.7**
1126	1257	2383	1060	1160	2220	1477	1590	3067	1435	1543	2978	74.6	74.6
584	988	1572	473	790	1263	799	1279	2078	822	1446	2268	55.8	56.3
1106	2090	3196	1207	2203	3410	1597	2847	4444	1623	2854	4477	81.4	80.9
21	92	113	22	102	124	25	132	157	25	132	157	89.8	85.0
505	478	983	484	512	996	721	822	1543	735	910	1645	69.6	64.2
893	686	1579	944	664	1608	1168	780	1948	1168	780	1948	82.0	84.3
926	1371	2297	981	1508	2489	1113	1874	2987	1223	1985	3208	95.4	79.0
3444	3239	6683	3840	3689	7529	4799	4690	9489	5267	5286	10553	84.1	80.7
133	200	333	127	205	332	229	348	577	259	440	699	53.8	57.7
8738	**10401**	**19139**	**9138**	**10833**	**19971**	**11928**	**14362**	**26290**	**12557**	**15376**	**27933**	**79.8**	**76.2**
26	18	44	31	17	48	40	37	77	42	34	76	82.7	50.0
2	4	6	2	7	9	2	18	20	2	18	20	100.0	38.9
+	+	+	+	+	+	+	+	+	+	+	+	..	..
+	0	+	+	0	+	+	0	+	+	0	+	..	0
2	0	2	2	0	2	4	0	4	4	0	4	50.0	0
42	84	126	39	82	121	71	219	290	71	219	290	56.9	37.5
20	145	165	22	152	174	33	165	198	33	165	198	66.7	92.1
0	2	2	0	2	2	0	0	0	0	0	0	0	100.0
0	0	0	0	0	0	0	0	0	0	0	0	0	0
92	**253**	**345**	**96**	**260**	**356**	**150**	**439**	**589**	**152**	**436**	**588**	**66.2**	**59.6**
2325	3391	5716	2306	3219	5525	3270	4365	7635	3177	4251	7428	74.9	74.4
1825	1746	3571	1507	1432	2939	2256	2269	4525	2310	2467	4777	63.3	56.9
2777	3585	6362	2874	3526	6400	3625	4459	8084	3772	4466	8238	82.2	81.4
144	127	271	145	135	280	182	185	367	182	185	367	69.0	78.0
860	853	1713	845	924	1769	1263	1364	2627	1288	1485	2773	68.3	67.9
1548	1594	3142	1576	1575	3151	1957	1993	3950	1957	1993	3950	80.9	78.6
1171	1789	2960	1243	1953	3196	1499	2403	3902	1642	2767	4409	89.3	79.6
4568	4048	8616	5079	4569	9648	6693	5700	12393	7443	6468	13911	80.8	82.2
263	239	502	257	251	508	460	410	870	493	518	1011	56.7	60.2
15481	**17372**	**32853**	**15832**	**17584**	**33416**	**21205**	**23148**	**44353**	**22264**	**24600**	**46864**	**77.3**	**76.0**

c. Based on 1991 production and average March 1991 vs. 1992 producing capacity.
The regional totals here are the same as those on pages 130 - 133.

TABLE 7:
WORLDWIDE OLEFIN FIBER PRODUCTION
MILLION POUNDS

COUNTRY	1987	1988	1989	1990	1991
WEST EUROPE					
AUSTRIA	60	66	64	66	64
BENELUX	353	364	441	474	507
DENMARK	66	71	79	95	101
FINLAND	40	42	22	24	26
FRANCE	128	154	154	152	161
GREECE/CYPRUS	35	37	40	44	44
GERMANY[a]	254	298	320	357	384
IRELAND	22	22	22	22	22
ITALY	287	298	298	331	331
NORWAY	11	9	11	11	13
PORTUGAL	79	82	84	84	88
SPAIN	108	117	123	132	141
SWEDEN	13	15	18	22	22
SWITZERLAND	44	49	46	51	51
TURKEY	15	15	22	22	22
UNITED KINGDOM	276	309	320	331	348
TOTAL **WEST EUROPE**	**1791**	**1948**	**2064**	**2218**	**2325**
EAST EUROPE					
BULGARIA	55	55	44	35	26
C.I.S.	62	71	79	88	146
CZECHOSLOVAKIA	93	95	97	101	99
EAST GERMANY	22	22	22	22	a
HUNGARY	49	57	62	57	44
POLAND	37	49	55	57	53
ROMANIA	33	37	44	44	40
U.S.A.					
YARN+MONOFIL	492	578	622	794	855
STAPLE	361	364	382	406	459
FILM FIBER	642	646	635	623	553

TABLE 7:
WORLDWIDE OLEFIN FIBER PRODUCTION *(CONTINUED)*
MILLION POUNDS

COUNTRY	1987	1988	1989	1990	1991
CANADA	134	137	146	154	148
OTHER AMERICAS					
ARGENTINA	53	40	40	37	44
BRAZIL	185	170	181	172	223
CHILE	15	13	18	18	18
COLOMBIA	7	7	7	7	22
EL SALVADOR GUATEMALA HONDURAS	7	7	7	7	9
MEXICO	60	62	62	64	64
NICARAGUA	2	2	2	2	2
PERU	15	15	15	15	15
URUGUAY	4	4	4	4	4
VENEZUELA	0	0	0	11	15
JAPAN					
YARN+MONOFIL	31	35	44	49	55
STAPLE	79	84	84	93	101
FILM FIBER	NA	NA	NA	NA	NA
CHINA, PRC	317	529	364	496	606
OTHER ASIA					
KOREA, REP. OF	82	97	99	104	115
PHILIPPINES	7	7	7	13	22
TAIWAN	172	201	198	192	194
MIDDLE EAST, AFRICA & OCEANIA					
AUSTRALIA	44	57	62	66	60
SOUTH AFRICA	11	11	22	29	31
OTHER	2	2	2	2	2

a. As of January 1991, East & West Germany combined under Germany.

The olefin data shown include the "official" country data published by a government, an association or other statistical agency as well as an estimate of the olefin fiber, mainly slit and split film fiber, believed to have been produced in the country. For example: although U.S. olefin production data include yarn, monofil, staple, film fiber, and spunbonded polypropylene, published Italian and Japanese olefin data show the production of yarn+monofilaments and staple+tow but no data on production of film fiber, such as that used in sacks, fishing nets, and carpet backing. Estimates were made in the latter example.
Due to the inconsistencies in olefin production reporting, we have made no attempt to show a worldwide total.

TABLE 8:
WORLDWIDE GLASS FIBER PRODUCTION & PRODUCING CAPACITY

MILLION POUNDS

COUNTRY	PRODUCTION					CAPACITY	
	1987	1988	1989	1990	1991	3/92	12/93
WEST EUROPE EAST EUROPE[a]	897	1025	1036	981	972	*1257*	*1440*
U.S.A.	1598	1609	1620	1488	1433	*1923*	*2026*
OTHER AMERICAS	110	143	143	132	165	*220*	*231*
JAPAN	661	750	761	818	646	*752*	*752*
MIDDLE EAST, AFRICA & OCEANIA[b]	77	121	143	176	225	*265*	*397*
TOTAL ABOVE	**3343**	**3648**	**3703**	**3595**	**3441**	***4417***	***4846***
CHINA, PRC	121	143	154	165	143	*243*	*287*
C.I.S.	243	276	293	265	293	*419*	*419*

Glass fiber is defined on page 129 of the June 1991 ***Fiber Organon***. The glass fiber producing capacity is based on March 1992 and December 1993 annual projections.

[a] The data for East Europe do not include estimates for the C.I.S.

[b] The Other Asia, Africa & Oceania countries are Australia, India, Korea, Rep. of, South Africa and Taiwan.

TABLE 9:
ESTIMATED WORLDWIDE CIGARETTE TOW PRODUCTION

MILLION POUNDS

AREA	1987	1988	1989	1990	1991
EUROPE[a]	236	251	260	265	265
U.S.A. OTHER AMERICAS[b]	545	549	584	604	615
ASIA[c]	101	108	121	128	152
CHINA, PRC	0	0	11	26	26
WORLD TOTAL	**882**	**908**	**976**	**1023**	**1058**

[a] Belgium, C.I.S., Germany & United Kingdom.

[b] Brazil, Canada, Colombia, Mexico & Venezuela.

[c] Japan and Korea, Rep. of.

TABLE 10:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEMS & COUNTRY	1992												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	157	66	48	15	40								326	355
BELGIUM	100	0	98	64	280								542	75
BRAZIL	54	105	79	78	78								394	437
CANADA	1201	1053	1475	1499	1292								6520	4112
CHILE	0	0	0	0	0								0	154
GERMANY	736	951	412	531	479								3109	2821
JAPAN	176	77	161	210	132								756	620
MEXICO	107	70	105	105	75								462	427
NETHERLANDS	254	262	157	145	198								1016	1077
UNITED KINGDOM	383	297	416	325	394								1815	230
ALL OTHER COUNTRIES [a]	8	11	20	33	12								84	81
TOTAL ARTIFICIAL YARN	**3176**	**2892**	**2971**	**3005**	**2980**								**15024**	**10389**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	1567	1396	1473	1104	1319								6859	5992
CANADA	4675	4144	4333	4376	4540								22068	12777
CHINA, PRC	0	0	0	0	0								0	1543
FINLAND	424	744	473	855	1753								4249	1187
GERMANY	41	38	0	64	38								181	561
JAPAN	85	25	68	69	21								268	596
TAIWAN	220	0	287	441	954								1902	6659
THAILAND	189	189	186	134	99								797	3121
UNITED KINGDOM	702	322	456	425	75								1980	1924
YUGOSLAVIA	298	0	128	256	42								724	3889
ALL OTHER COUNTRIES [b]	483	541	721	218	73								2036	670
TOTAL ARTIFICIAL STAPLE+TOW	**8684**	**7399**	**8125**	**7942**	**8914**								**41064**	**38919**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	3	39	31	34	46								153	555
BRAZIL	0	5	11	3	44								63	48
CANADA	4980	3882	3597	6272	5820								24551	19929
COSTA RICA	485	465	393	754	583								2680	2865
ECUADOR	0	0	0	0	0								0	83
FRANCE	1128	435	656	570	771								3560	3803
GERMANY	1433	2244	1807	2114	1831								9429	8281
IRELAND	78	105	334	167	148								832	708
ISRAEL	294	338	210	191	334								1367	559
ITALY	209	113	119	90	170								701	357
JAPAN	1687	1635	1595	1419	1574								7910	5613
KOREA, REP. OF	179	58	159	161	198								755	476
MEXICO	1047	1554	1449	1474	1409								6933	7478
NETHERLANDS	412	362	667	279	512								2232	1399
TAIWAN	680	547	37	132	230								1626	541
THAILAND	107	79	109	94	126								515	417
UNITED KINGDOM	2218	2464	3076	2480	1882								12120	9021
ALL OTHER COUNTRIES [c]	827	873	800	791	891								4182	994
TOTAL SYNTHETIC YARN	**15767**	**15198**	**15050**	**17025**	**16569**								**79609**	**63127**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	22	13	12	23	10								80	70
AUSTRALIA	31	24	50	33	81								219	359
BRAZIL	2	0	0	0	42								44	482
CANADA	3647	4089	5469	3288	3744								20237	7618
FRANCE	551	409	401	558	218								2137	2046
GERMANY	1983	2109	2302	2839	1786								11019	7757
INDIA	93	47	262	1078	67								1547	8337
IRELAND	468	43	427	258	274								1470	357
ITALY	291	56	28	127	232								734	559
JAPAN	2184	3017	2863	3040	2902								14006	10613
KOREA, REP. OF	7466	4228	9395	10932	9026								41047	31060
MALAYSIA	88	44	0	0	0								132	191
MEXICO	1981	1579	1690	2413	2790								10453	9981
SPAIN	62	64	104	209	162								601	85
SWITZERLAND	364	144	234	416	242								1400	864
TAIWAN	4520	5903	5818	6736	5351								28328	13756
TURKEY	127	240	491	40	130								1028	113
UNITED KINGDOM	1444	1677	1439	1742	1713								8015	7195
ALL OTHER COUNTRIES [d]	194	36	81	556	127								994	500
TOTAL SYNTHETIC STAPLE+TOW	**25518**	**23722**	**31066**	**34288**	**28897**								**143491**	**101943**

[a] France 34, Korea, Rep. of 22, India 13, Italy 8, Uruguay 3, Taiwan 2, China, PRC 1, Thailand 1.

[b] Spain 662, Sweden 588, Brazil 571, Belgium 77, Poland 43, Czechoslovakia 40, France 32, India 20, Italy 3.

[c] South Africa 2280, Switzerland 395, Spain 387, Egypt 223, Australia 201, Turkey 176, Portugal 160, India 144, Austria 64, Czechoslovakia 52, Honduras 30, Hong Kong 24, Sweden 17, Yugoslavia 17, China, PRC 4, Denmark 3, Colombia 2, Greece 2, Argentina 1.

[d] China, PRC 443, Israel 167, Hong Kong 78, Denmark 58, Belgium 55, South Africa 46, Colombia 41, Czechoslovakia 31, Romania 29, Hungary 25, C.I.S. 15, Netherlands 5, Sweden 1.

TABLE 11:
U.S. MANUFACTURED FIBER IMPORTS[a]
THOUSAND POUNDS

	1992												YEAR TO DATE	
ITEM	**JAN**	**FEB**	**MAR**	**APR**	**MAY**	**JUN**	**JUL**	**AUG**	**SEP**	**OCT**	**NOV**	**DEC**	**1992**	**1991**
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	528	848	202	342	334								2254	1199
TEXTURED	0	0	13	0	0								13	0
OTHER	2637	2044	2756	2662	2644								12743	9180
MONOFILAMENTS & STRIPS	11	0	0	1	2								14	10
SUBTOTAL ABOVE	**3176**	**2892**	**2971**	**3005**	**2980**								**15024**	**10389**
STAPLE	8581	7288	7938	7753	8799								40359	38123
TOW	103	111	187	189	114								704	796
TOPS	0	0	0	0	1								1	0
SUBTOTAL ABOVE	**8684**	**7399**	**8125**	**7942**	**8914**								**41064**	**38919**
WASTE	**0**	**46**	**47**	**34**	**0**								**127**	**1088**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	913	980	950	1250	1113								5206	9732
TEXTURED														
UP TO 450 DENIER	411	517	424	475	644								2471	1543
OVER 450 DENIER	3249	1978	1764	3385	3059								13435	9030
POY	2498	3305	3987	3561	3080								16431	11372
OTHER	2245	1850	1791	2394	2497								10777	5981
MONOFILAMENTS & STRIPS	172	165	112	183	188								820	623
SUBTOTAL ABOVE	**9488**	**8795**	**9028**	**11248**	**10581**								**49140**	**38281**
POLYESTER														
HIGH TENACITY	1142	1602	1593	1524	1642								7503	3436
TEXTURED	630	854	835	1106	677								4102	3468
POY	728	634	302	621	476								2761	1232
OTHER	1229	1433	1192	885	946								5685	7946
MONOFILAMENTS & STRIPS	38	75	29	38	100								280	201
SUBTOTAL ABOVE	**3767**	**4598**	**3951**	**4174**	**3841**								**20331**	**16283**
OTHER SYNTHETIC FILAMENT														
TEXTURED	212	93	72	119	203								699	798
OTHER	1496	1096	1231	965	1367								6155	5287
MONOFILAMENTS & STRIPS	804	616	768	519	577								3284	2478
SUBTOTAL ABOVE	**2512**	**1805**	**2071**	**1603**	**2147**								**10138**	**8563**
STAPLE														
NYLON	2554	2136	3403	2803	2386								13282	9629
POLYESTER	17422	15430	20302	24558	20654								98366	70072
ACRYLIC	1607	1450	2326	2048	1152								8583	5571
POLYPROPYLENE	168	77	268	340	183								1036	1229
OTHER	265	320	258	182	713								1738	1424
TOW														
NYLON	701	503	688	883	460								3235	2293
POLYESTER	35	78	122	0	56								291	538
ACRYLIC	2009	2686	2324	2657	2309								11985	10719
OTHER	0	39	22	0	55								116	85
TOPS	757	1003	1353	817	929								4859	383
SUBTOTAL ABOVE	**25518**	**23722**	**31066**	**34288**	**28897**								**143491**	**101943**
WASTE														
NYLON	791	1083	1481	1594	1750								6699	8091
POLYESTER	1022	1149	1194	679	872								4916	5674
OTHER	606	633	681	946	793								3659	2565
TOTAL MANUFACTURED FIBERS ABOVE	**55564**	**52122**	**60615**	**65513**	**60775**								**294589**	**231796**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	251	136	213	153	191								944	624
SPUN YARN	318	277	317	643	706								2261	2559
SPUN YARNS														
SYNTHETIC	922	559	702	621	1075								3879	3266
ARTIFICIAL	0	0	0	0	0								0	0
PUT UP FOR RETAIL SALE	48	28	20	41	33								170	342
GRAND TOTAL ABOVE	**57103**	**53122**	**61867**	**66971**	**62780**								**301843**	**238587**

SOURCE: U.S. Census Bureau Report IM145X.

[a] U.S. General Imports.

TABLE 12:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

	1992												YEAR TO DATE	
ITEM	**JAN**	**FEB**	**MAR**	**APR**	**MAY**	**JUN**	**JUL**	**AUG**	**SEP**	**OCT**	**NOV**	**DEC**	**1992**	**1991**
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	13	1	1	0	22								37	777
TEXTURED	7	61	13	37	29								147	379
OTHER	247	176	191	228	36								878	646
MONOFILAMENTS & STRIPS	19	42	100	47	37								245	70
SUBTOTAL ABOVE	**286**	**280**	**305**	**312**	**124**								**1307**	**1872**
STAPLE	1371	1087	1047	1643	1194								6342	4411
TOPS	1910	479	218	19	0								2626	71
SUBTOTAL ABOVE	**3281**	**1566**	**1265**	**1662**	**1194**								**8968**	**4482**
WASTE	**229**	**656**	**528**	**574**	**1345**								**3332**	**4124**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	4619	5521	5465	5135	5160								25900	43207
TEXTURED														
UP TO 450 DENIER	923	786	816	634	636								3795	6320
OVER 450 DENIER	6214	4125	4665	3499	3595								22098	18180
POY	52	80	198	144	209								683	284
OTHER	3119	3582	3893	2738	3030								16362	16139
MONOFILAMENTS & STRIPS	29	32	29	128	157								375	184
SUBTOTAL ABOVE	**14956**	**14126**	**15066**	**12278**	**12787**								**69213**	**84314**
POLYESTER														
HIGH TENACITY	4556	3556	4228	3783	3372								19495	28269
TEXTURED	5546	6616	8101	7258	6149								33670	27597
POY	884	1205	1232	1411	1650								6382	7450
OTHER	629	768	745	612	708								3462	11712
MONOFILAMENTS & STRIPS	113	95	99	337	391								1035	1232
SUBTOTAL ABOVE	**11728**	**12240**	**14405**	**13401**	**12270**								**64044**	**76260**
OTHER SYNTHETIC FILAMENT														
TEXTURED	596	338	407	281	479								2101	2960
OTHER	1569	1395	2521	2129	2517								10131	11203
MONOFILAMENTS & STRIPS	967	954	1275	1495	1365								6056	5579
SUBTOTAL ABOVE	**3132**	**2687**	**4203**	**3905**	**4361**								**18288**	**19742**
STAPLE														
NYLON	2465	2456	2976	2523	3131								13551	9992
POLYESTER	7763	8890	7719	7642	7420								39434	44689
ACRYLIC	1251	1310	1982	2654	2524								9721	11774
POLYPROPYLENE	3041	3740	5748	3109	5461								21099	12924
OTHER	454	266	323	262	394								1699	6846
TOW														
NYLON	340	361	359	315	282								1657	808
POLYESTER	108	7	43	40	30								228	217
ACRYLIC	556	557	630	428	2448								4619	4311
OTHER	1	16	4	1	4								26	427
TOPS	9392	6332	3304	3984	2317								25329	37872
SUBTOTAL ABOVE	**25371**	**23935**	**23088**	**20958**	**24011**								**117363**	**129860**
WASTE														
NYLON	2800	2293	1940	2183	1831								11047	13565
POLYESTER	3787	4239	4659	2716	3509								18910	19262
OTHER	6168	5955	5627	5193	6637								29580	34409
TOTAL MANUFACTURED FIBERS ABOVE	**71738**	**67977**	**71086**	**63182**	**68069**								**342052**	**387890**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	610	560	819	455	571								3015	4888
SPUN YARN	278	1332	635	3130	2646								8021	1063
SPUN YARNS														
SYNTHETIC	2140	1933	2542	1301	1799								9715	6649
ARTIFICIAL	526	355	508	312	579								2280	1033
PUT UP FOR RETAIL SALE	2727	2230	3082	2318	2707								13064	11180
GRAND TOTAL ABOVE	**78019**	**74387**	**78672**	**70698**	**76371**								**378147**	**412903**

SOURCE: U.S. Census Bureau Report EM522.

TABLE 13:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	1992												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
	MANUFACTURED FIBER TOTAL SHIPMENTS [b c]													
ARTIFICIAL (CELLULOSIC)														
YARN	16.8	17.9	17.4	21.7	19.0	19.0							111.8	103.4
RAYON STAPLE	23.0	21.0	22.7	19.8	23.9	20.3							130.7	128.5
TOTAL ARTIFICIAL (CELLULOSIC)	**39.8**	**38.9**	**40.1**	**41.5**	**42.9**	**39.3**							**242.5**	**231.9**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	25.2	23.2	28.8	27.7	26.2	25.1							156.2	164.7
- CARPET	82.4	77.9	86.2	92.5	86.5	80.2							505.7	434.2
- TEXTILE[f]	33.9	29.2	31.8	30.4	31.1	30.2							186.6	187.5
POLYESTER - INDUSTRIAL[d]	30.6	28.9	31.6	34.9	30.5	31.5							188.0	165.7
- TEXTILE[f]	71.2	67.8	77.1	81.2	74.1	76.2							447.6	412.6
OLEFIN[e]	110.0	115.0	121.4	129.7	130.4	128.1							734.6	678.6
TOTAL YARN	**353.3**	**342.0**	**376.9**	**396.4**	**378.8**	**371.3**							**2218.7**	**2043.3**
STAPLE+TOW+FIBERFILL														
NYLON	70.8	63.5	79.3	85.3	77.6	75.0							451.5	412.2
ACRYLIC+MODACRYLIC	35.1	33.5	39.5	39.5	38.2	36.2							222.0	220.5
POLYESTER	195.1	186.8	203.1	208.9	177.4	179.2							1150.5	1048.9
OLEFIN	36.0	38.4	39.4	37.9	37.1	35.6							224.4	216.9
TOTAL STAPLE	**337.0**	**322.2**	**361.3**	**371.6**	**330.3**	**326.0**							**2048.4**	**1898.5**
TOTAL SYNTHETIC (NONCELLULOSIC)	**690.3**	**664.2**	**738.2**	**768.0**	**709.1**	**697.3**							**4267.1**	**3941.8**
TOTAL MANUFACTURED FIBER	**730.1**	**703.1**	**778.3**	**809.5**	**752.0**	**736.6**							**4509.6**	**4173.7**
	MANUFACTURED FIBER END-OF-MONTH STOCK													
ARTIFICIAL (CELLULOSIC)														
YARN	11.3	11.2	10.9	11.5	12.4	12.2							12.2	9.4
RAYON STAPLE	25.6	25.7	26.9	30.7	30.4	33.4							33.4	24.9
TOTAL ARTIFICIAL (CELLULOSIC)	**36.9**	**36.9**	**37.8**	**42.2**	**42.8**	**45.6**							**45.6**	**34.3**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	30.7	29.6	24.5	22.8	22.5	23.3							23.3	28.2
- CARPET	82.8	81.3	79.0	71.7	69.1	71.8							71.8	58.4
- TEXTILE[f]	43.4	48.6	52.7	50.0	48.8	48.5							48.5	48.9
POLYESTER - INDUSTRIAL[d]	34.7	35.8	34.7	33.7	34.6	34.0							34.0	40.6
- TEXTILE[f]	98.0	98.7	94.1	77.6	77.9	82.2							82.2	91.7
OLEFIN[e]	58.8	59.5	57.4	54.4	50.9	49.8							49.8	53.3
TOTAL YARN	**348.4**	**353.5**	**342.4**	**310.2**	**303.8**	**309.6**							**309.6**	**321.1**
STAPLE+TOW+FIBERFILL														
NYLON	64.0	63.5	56.5	51.0	55.1	61.3							61.3	59.5
ACRYLIC+MODACRYLIC	82.3	83.1	79.7	75.2	74.2	75.3							75.3	70.6
POLYESTER	144.3	147.3	146.9	137.7	135.8	155.4							155.4	162.0
OLEFIN	33.6	35.3	38.1	41.4	43.1	43.0							43.0	30.1
TOTAL STAPLE	**324.2**	**329.2**	**321.2**	**305.3**	**308.2**	**335.0**							**335.0**	**322.2**
TOTAL SYNTHETIC (NONCELLULOSIC)	**672.6**	**682.7**	**663.6**	**615.5**	**612.0**	**644.6**							**644.6**	**643.3**
TOTAL MANUFACTURED FIBER	**709.5**	**719.6**	**701.4**	**657.7**	**654.8**	**690.2**							**690.2**	**677.6**
	COTTON CONSUMPTION													
RAW COTTON	369.5	383.0	496.0	377.3	393.7								2019.5	NA

ITEM	WOOL CONSUMPTION [g]				YEAR TO DATE[a]	
	1ST QUARTER	**2ND QUARTER**	**3RD QUARTER**	**4TH QUARTER**	1992	1991
APPAREL CLASS WOOL	39.3				39.3	33.7
CARPET CLASS WOOL	4.6				4.6	3.1
TOTAL RAW WOOL	**43.9**				**43.9**	**36.8**

NA - Not Available

a. "Year to date" totals for stock, are the latest month's figures.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic shipments plus export shipments.

d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

f. Includes low denier industrial yarn.

g. **Wool data available on a quarterly basis only.**

C 3460 - 1

FIBER ORGANON

Volume 63, No. 8 ☐ August 1992

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Highlights

- Worldwide Fiber Producing Capacity by Fiber...begins on page 151.
- Mexican Mill Consumption...begins on page 157.
- Quarterly Manufactured Fiber Data ...see pages 170 - 171.

SHIPMENTS:

In July, total manufactured fiber shipments reached 759 million pounds, 3% above the 739 million pounds shipped in June and 4% above the 733 million pounds shipped in July 1991.

July shipments of synthetic (noncellulosic) filament yarn fell 1% to 369 million pounds and staple+tow rose 6% to 348 million pounds.

Contributing to the increase in shipments over the previous month were polyester staple+tow up 10% or 18 million pounds, nylon carpet yarn up 7% or 5 million pounds and olefin staple+tow up 2 million pounds or 4%.

Year-to-date domestic shipments of manufactured fiber are up 9% and exports are down 15%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1992		% CHG	1991	% CHG	YEAR TO DATE		% CHG YTD
	JUL	JUN	7/92-6/92	JUL	7/92-7/91	1992	1991	1992-1991
ARTIFICIAL (CELLULOSIC)								
YARN	19.5	19.0	*+2.6*	19.0	*+2.6*	130.8	122.4	*+6.9*
RAYON STAPLE	23.2	20.3	*+14.3*	24.1	*-3.7*	153.9	152.6	*+0.9*
TOTAL ARTIFICIAL (CELL.)	**42.7**	**39.3**	***+8.7***	**43.1**	***-0.9***	**284.7**	**275.0**	***+3.5***
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENT								
NYLON - INDUSTRIAL	25.1	25.1	- -	22.8	*+10.1*	181.3	187.5	*-3.3*
- CARPET	85.6	80.2	*+6.7*	85.6	- -	591.3	519.8	*+13.8*
- TEXTILE [a]	31.1	30.2	*+3.0*	31.6	*-1.6*	217.7	219.1	*-0.6*
POLYESTER - INDUSTRIAL	29.6	31.5	*-6.0*	26.6	*+11.3*	217.6	192.3	*+13.2*
- TEXTILE [a]	71.8	76.2	*-5.8*	75.9	*-5.4*	519.4	488.5	*+6.3*
OLEFIN	125.7	129.7	*-3.1*	114.9	*+9.4*	865.7	793.5	*+9.1*
TOTAL YARN	**368.9**	**372.9**	***-1.1***	**357.4**	***+3.2***	**2593.0**	**2400.7**	***+8.0***
STAPLE+TOW+FIBERFILL								
NYLON	76.8	75.0	*+2.4*	76.2	*+0.8*	528.3	488.4	*+8.2*
ACRYLIC+MODACRYLIC	35.8	36.2	*-1.1*	33.1	*+8.2*	257.8	253.6	*+1.7*
POLYESTER	196.9	179.2	*+9.9*	185.3	*+6.3*	1347.4	1234.2	*+9.2*
OLEFIN	38.0	36.4	*+4.4*	38.1	*-0.3*	264.8	255.0	*+3.8*
TOTAL STAPLE	**347.5**	**326.8**	***+6.3***	**332.7**	***+4.4***	**2398.3**	**2231.2**	***+7.5***
TOTAL SYNTHETIC (NONCELL.)	**716.4**	**699.7**	***+2.4***	**690.1**	***+3.8***	**4991.3**	**4631.9**	***+7.8***
TOTAL MANUFACTURED FIBER	**759.1**	**739.0**	***+2.7***	**733.2**	***+3.5***	**5276.0**	**4906.9**	***+7.5***
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS [b]	729.2	700.9	*+4.0*	694.3	*+5.0*	5017.6	4602.3	*+9.0*
EXPORTS [c]	29.9	38.1	*-21.5*	38.9	*-23.1*	258.4	304.6	*-15.2*

- - No change.

a. Includes low denier industrial yarn.

b. Includes olefin exports.

c. Excludes olefin exports.

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TABLE 2:
WORLDWIDE ARTIFICIAL (CELLULOSIC) FIBER PRODUCING CAPACITY
THOUSAND METRIC TONS

	PRODUCING CAPACITY																	
	3/1980			3/1985			3/1990			3/1991			3/1992			12/1993		
FIBER & AREA	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
WEST EUROPE *	279	693	972	243	453	696	208	360	568	218	377	595	219	422	641	219	424	643
EAST EUROPE	467	801	1268	467	915	1382	422	831	1253	435	759	1194	352	589	941	352	589	941
U.S.A.	197	237	434	122	233	355	99	146	245	102	147	249	100	147	247	100	147	247
CANADA	14	32	46	15	38	53	14	38	52	25	38	63	24	38	62	24	38	62
OTHER AMERICAS	77	58	135	59	52	111	57	63	120	54	58	112	55	63	118	55	73	128
JAPAN	135	312	447	136	300	436	117	215	332	117	215	33[illegible]	117	215	332	117	215	332
CHINA, PRC	100	115	215	100	130	230	65	165	230	65	170	235	60	160	220	60	160	220
OTHER ASIA	92	212	304	97	338	435	108	512	620	103	557	660	106	666	772	109	791	900
MIDDLE EAST, AFRICA & OCEANIA	11	12	23	11	12	23	12	12	24	11	12	23	11	12	23	11	12	23
TOTAL	1372	2472	3844	1250	2471	3721	1102	2342	3444	1130	2333	3463	1044	2312	3356	1047	2449	3496

SOURCE: ***Fiber Organon*** (formerly ***Textile Organon***) June editions.

* Data for 3/1992 & 12/1993 include East Germany.

TABLE 3:
WORLDWIDE SYNTHETIC (NONCELLULOSIC) FIBER PRODUCING CAPACITY BY FIBER EXCEPT OLEFIN
THOUSAND METRIC TONS

	PRODUCING CAPACITY					
	3/1980			3/1985		
FIBER & AREA	Y	S	TOTAL	Y	S	TOTAL
ACRYLIC+MODACRYLIC						
WEST EUROPE *	+	1136	1136	1	1030	1031
EAST EUROPE	0	248	248	0	306	306
U.S.A.	0	385	385	0	340	340
OTHER AMERICAS	0	143	143	0	183	183
JAPAN	6	392	398	6	398	404
CHINA, PRC	0	313	313	0	100	100
OTHER ASIA				0	415	415
MIDDLE EAST, AFRICA & OCEANIA						
TOTAL	6	2617	2623	7	2772	2779
NYLON+ARAMID [a]						
WEST EUROPE *	774	209	983	630	185	815
EAST EUROPE	515	64	579	702	99	801
U.S.A.	931	449	1380	842	486	1328
CANADA	270	34	304	306	40	346
OTHER AMERICAS						
JAPAN	305	19	324	320	24	344
CHINA, PRC	431	11	442	90	5	95
OTHER ASIA				602	47	649
MIDDLE EAST, AFRICA & OCEANIA						
TOTAL	3226	786	4012	3492	886	4378
POLYESTER						
WEST EUROPE *	571	659	1230	513	599	1112
EAST EUROPE	142	371	513	286	618	904
U.S.A.	949	1240	2189	660	1265	1925
CANADA	287	222	509	305	269	574
OTHER AMERICAS						
JAPAN	360	331	691	419	356	775
CHINA, PRC	535	679	1214	125	443	568
OTHER ASIA				845	1285	2130
MIDDLE EAST, AFRICA & OCEANIA						
TOTAL	2844	3502	6346	3153	4835	7988
OTHER FIBERS EXCEPT OLEFIN [b]						
WEST EUROPE *	8	12	20	8	12	20
EAST EUROPE	10	12	22	1	8	9
U.S.A.	9	3	12	14	0	14
CANADA	1	0	1	1	0	1
OTHER AMERICAS						
JAPAN	28	103	131	28	103	131
CHINA, PRC	10	65	75	16	65	81
OTHER ASIA				0	0	0
MIDDLE EAST, AFRICA & OCEANIA						
TOTAL	66	195	261	68	188	256
TOTAL FIBERS ABOVE						
WEST EUROPE *	1353	2016	3369	1152	1826	2978
EAST EUROPE	667	695	1362	989	1031	2020
U.S.A.	1889	2077	3966	1516	2091	3607
CANADA	558	399	957	612	492	1104
OTHER AMERICAS						
JAPAN	699	845	1544	773	881	1654
CHINA, PRC	976	1068	2044	231	613	844
OTHER ASIA				1447	1747	3194
MIDDLE EAST, AFRICA & OCEANIA						
WORLD TOTAL	6142	7100	13242	6720	8681	15401

SOURCE: ***Fiber Organon*** (formerly ***Textile Organon***) June editions.

* Data for 3/1992 & 12/1993 include East Germany.

Y Yarn+monofilaments.

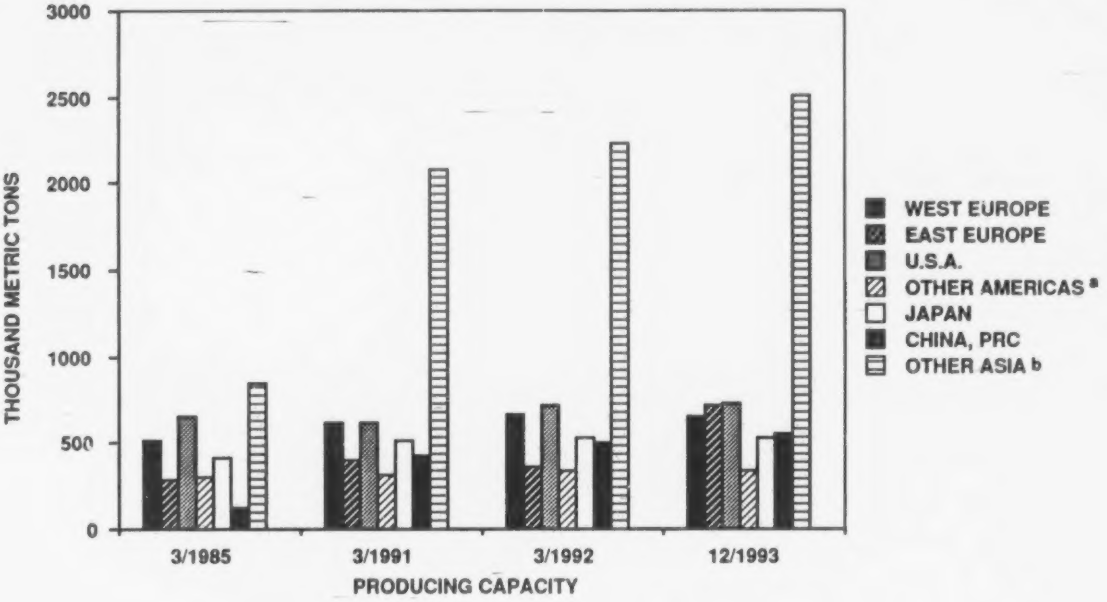
S Staple+tow+fiberfill.

PRODUCING CAPACITY											
3/1990			3/1991			3/1992			12/1993		
Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL	Y	S	TOTAL
1	1084	1085	0	1051	1051	0	1026	1026	0	1001	1001
0	398	398	0	430	430	0	325	325	0	339	339
0	291	291	0	216	216	0	225	225	0	225	225
0	224	224	0	251	251	0	234	234	0	249	249
6	426	432	6	426	432	6	426	432	6	426	432
0	125	125	0	170	170	0	155	155	0	265	265
0	438	438	0	431	431	0	448	448	0	516	516
0	20	20	0	25	25	0	25	25	0	32	32
7	**3006**	**3013**	**6**	**3000**	**3006**	**6**	**2864**	**2870**	**6**	**3053**	**3059**
676	202	878	673	190	863	795	216	1011	771	212	983
693	124	817	728	122	850	660	116	776	674	116	790
935	518	1453	909	512	1421	920	506	1426	975	506	1481
97	24	121	97	24	121	71	24	95	71	24	95
239	14	253	243	14	257	244	12	256	249	12	261
320	27	347	328	27	355	320	25	345	320	25	345
119	20	139	140	10	150	160	10	170	175	15	190
615	18	633	704	8	712	859	10	869	987	20	1007
105	3	108	92	3	95	105	3	108	106	3	109
3799	**950**	**4749**	**3914**	**910**	**4824**	**4134**	**922**	**5056**	**4328**	**933**	**5261**
627	628	1255	619	690	1309	670	721	1391	651	700	1351
373	702	1075	407	692	1099	362	580	942	373	656	1029
591	1165	1756	620	1179	1799	724	1292	2016	736	1294	2030
11	49	60	11	49	60	11	60	71	11	60	71
287	327	614	304	350	654	327	372	699	333	413	746
478	374	852	515	361	876	530	354	884	530	354	884
320	785	1105	428	881	1309	505	850	1355	555	900	1455
1671	1882	3553	1966	2019	3985	2177	2127	4304	2389	2398	4787
96	153	249	110	164	274	104	158	262	118	200	318
4454	**6065**	**10519**	**4980**	**6385**	**11365**	**5410**	**6514**	**11924**	**5696**	**6975**	**12671**
10	12	22	16	14	30	18	17	35	19	15	34
1	8	9	1	8	9	1	8	9	1	8	9
+	+	+	+	+	+	+	+	+	+	+	+
+	0	+	+	0	+	+	0	+	+	0	+
2	0	2	2	0	2	2	0	2	2	0	2
30	99	129	30	99	129	32	99	131	32	99	131
15	75	90	15	75	90	15	75	90	15	75	90
0	1	1	0	1	1	+	0	+	+	0	+
0	0	0	0	0	0	0	0	0	0	0	0
58	**195**	**253**	**64**	**197**	**261**	**68**	**199**	**267**	**69**	**197**	**266**
1314	1926	3240	1308	1945	3253	1483	1980	3463	1441	1928	3369
1067	1232	2299	1136	1252	2388	1023	1029	2052	1048	1119	2167
1526	1974	3500	1529	1907	3436	1644	2023	3667	1711	2025	3736
108	73	181	108	73	181	82	84	166	82	84	166
528	565	1093	549	615	1164	573	618	1191	584	674	1258
834	926	1760	879	913	1792	888	904	1792	888	904	1792
454	1005	1459	583	1136	1719	680	1090	1770	745	1255	2000
2286	2339	4625	2670	2459	5129	3036	2585	5621	3376	2934	6310
201	176	377	202	192	394	209	186	395	224	235	459
8318	**10216**	**18534**	**8964**	**10492**	**19456**	**9618**	**10499**	**20117**	**10099**	**11158**	**21257**

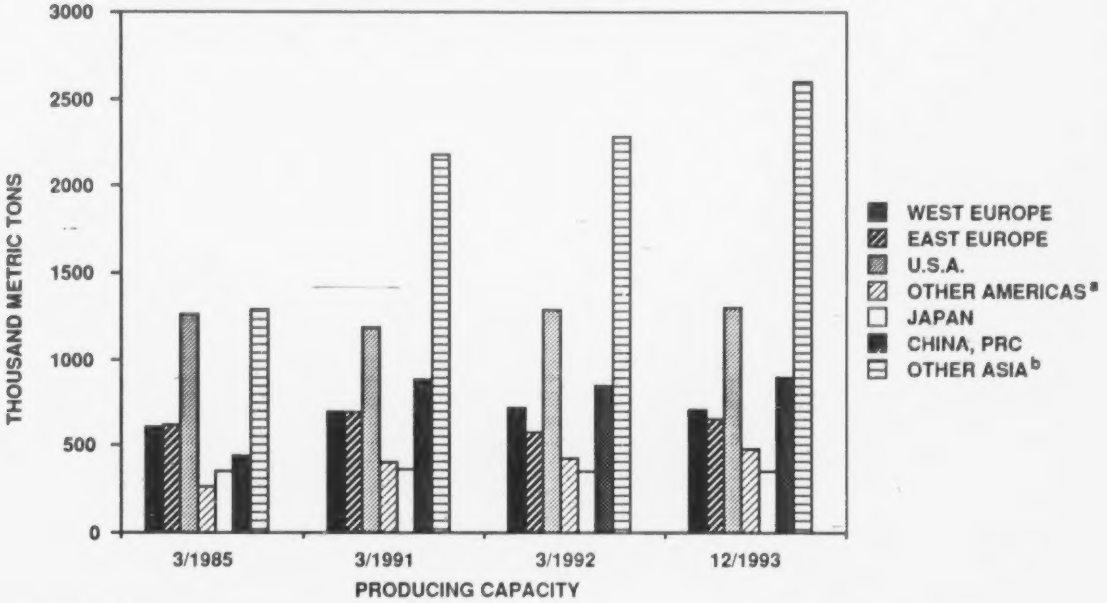
a. U.S.A. nylon producing capacity data do not include aramid.

b. Other fibers are alginate, azlon, spandex or elastomer, saran, TFE-flurocarbon, vinal and vinyon. U.S.A. data do not include spandex.

GRAPH 1:
POLYESTER YARN PRODUCING CAPACITY BY AREA

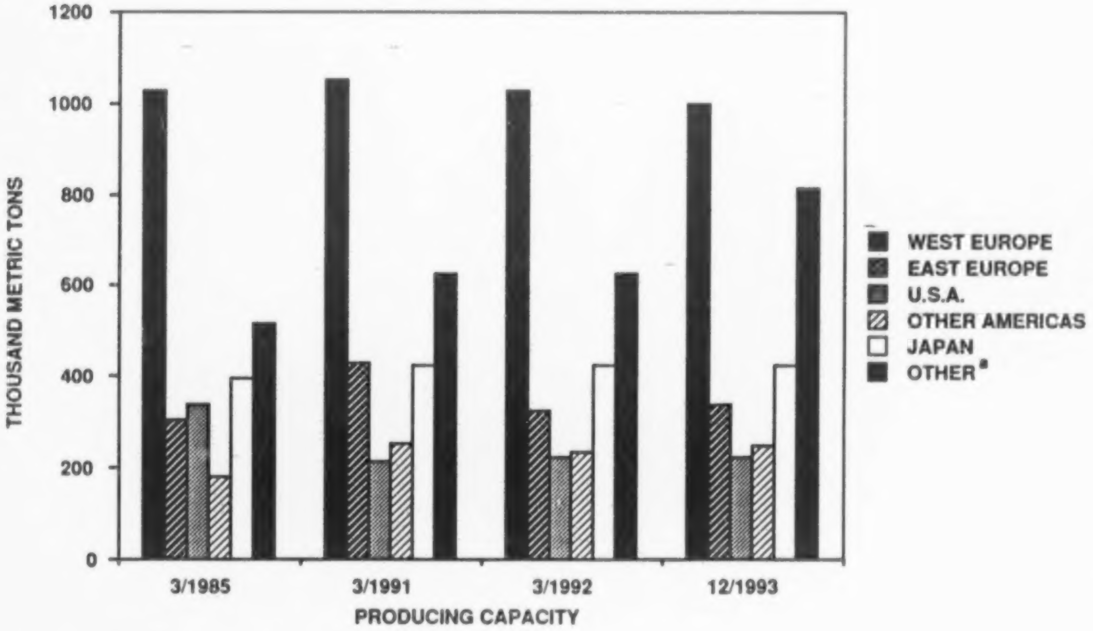


GRAPH 2:
POLYESTER STAPLE PRODUCING CAPACITY BY AREA



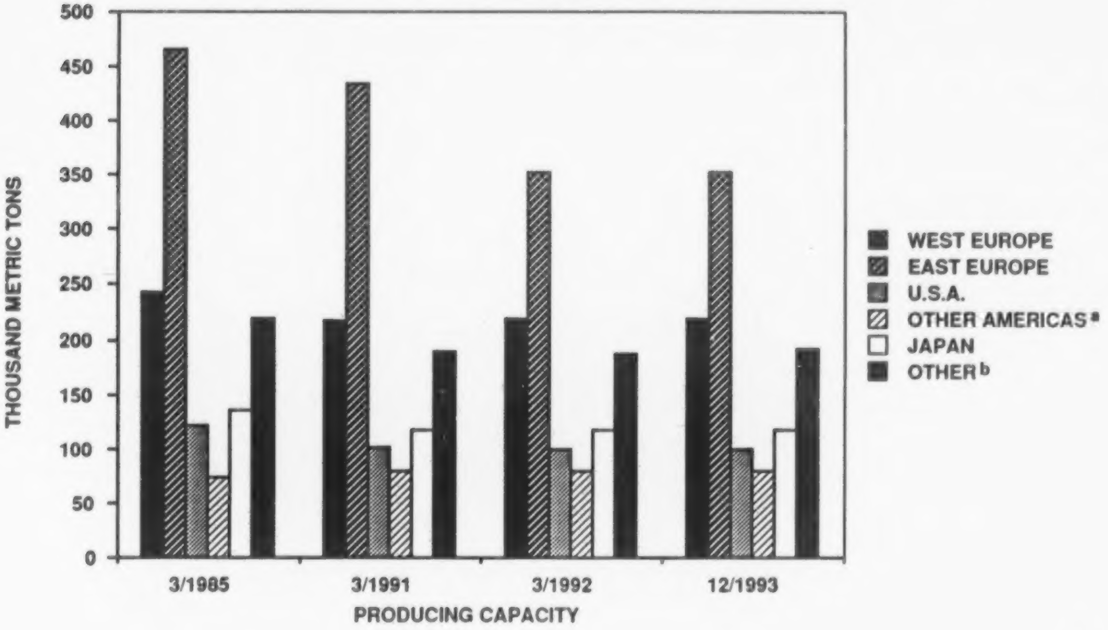
a. Includes Canada.
b. Includes Middle East, Africa & Oceania.

GRAPH 3:
ACRYLIC STAPLE PRODUCING CAPACITY BY AREA

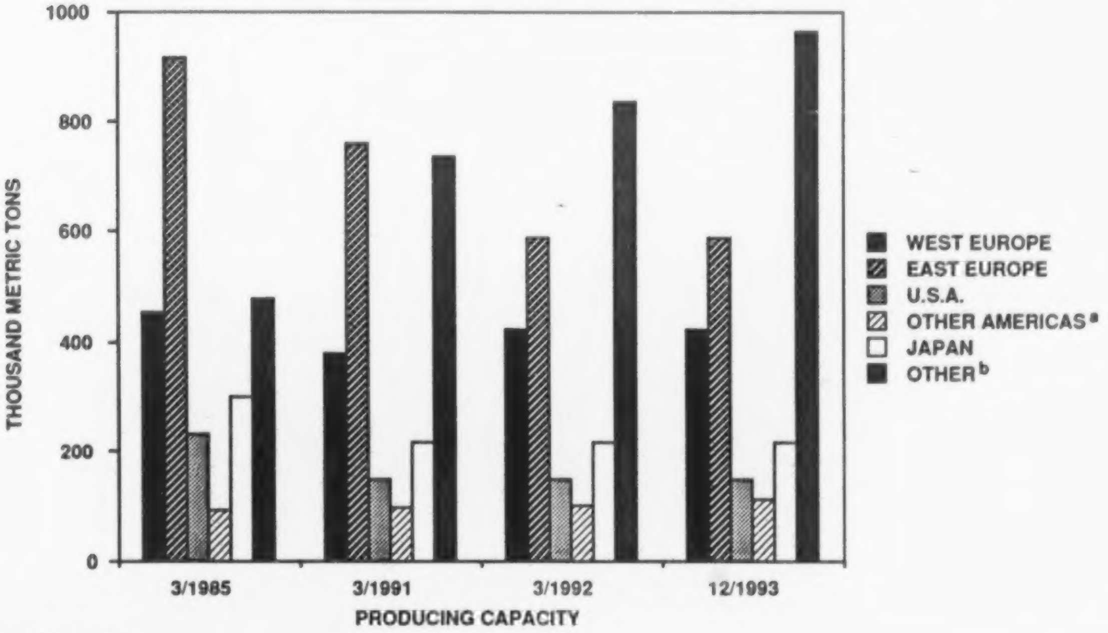


a. Includes China, PRC, Other Asia and Middle East, Africa & Oceania.

GRAPH 4:
ARTIFICIAL (CELLULOSIC) YARN PRODUCING CAPACITY BY AREA



GRAPH 5:
ARTIFICIAL (CELLULOSIC) STAPLE PRODUCING CAPACITY BY AREA



a. Includes Canada.

b. Includes China, PRC, Other Asia and Middle East, Africa & Oceania.

TABLE 4:
MEXICAN POPULATION, GROSS DOMESTIC PRODUCT & PER CAPITA GROSS DOMESTIC PRODUCT

YEAR	POPULATION [a]	GDP [b]	PER CAPITA GDP [c]
1982	73.0	201.3	2758
1983	74.7	192.9	2582
1984	76.3	199.8	2619
1985	77.9	205.0	2632
1986	79.6	197.4	2480
1987	81.2	200.8	2473
1988	82.8	203.7	2460
1989	84.5	210.0	2485
1990	86.1	218.2	2534
1991	87.8	256.0	2916

a. SOURCE: ***Monthly Bulletin of Statistics*, United Nations,** May 1992. In millions.
b. SOURCE: ***CANAINTEX 1992.*** In billions of 1980 constant dollars.
c. In dollars.

TABLE 5:
MEXICAN PER CAPITA FIBER CONSUMPTION
POUNDS

YEAR	POPULATION	PER CAPITA			
		MANUFACTURED FIBER	COTTON	WOOL	TOTAL
1982	73.0	8.2	4.1	0.2	12.5
1983	74.7	7.9	3.3	0.2	11.4
1984	76.3	8.4	3.4	0.2	12.0
1985	77.9	9.1	3.9	0.3	13.3
1986	79.6	6.7	3.2	0.2	10.1
1987	81.2	DATA NOT AVAILABLE AT PUBLICATION TIME			
1988	82.8				
1989	84.5				
1990	86.1				

a. Based on total Mexican domestic consumption (mill consumption plus imports less exports of semimanufactured and manufactured products)

TABLE 6:
MEXICAN MILL CONSUMPTION OF FIBER [a]
MILLION POUNDS

YEAR	MANUFACTURED FIBER	COTTON	WOOL	TOTAL
1982	571.6	302.4	14.7	888.7
1983	596.8	253.4	11.3	861.5
1984	643.0	266.9	14.1	924.0
1985	702.3	304.3	20.3	1026.9
1986	542.5	264.0	15.3	821.8
1987	688.7	327.8	13.4	1029.9
1988	767.2	373.4	13.9	1154.5
1989	769.8	360.5	13.1	1143.4
1990	760.8	368.6	12.8	1142.2

[a] Based on Mexican domestic fiber (mill consumption). See pages 160 - 161.

TABLE 7:
MEXICAN TOTAL FIBER CONSUMPTION
MILLION POUNDS

YEAR	MANUFACTURED FIBER	COTTON	WOOL	TOTAL
1982	598.9	299.9	15.6	914.4
1983	593.1	245.2	12.0	850.3
1984	638.2	259.4	15.4	913.0
1985	707.2	302.3	22.1	1031.6
1986	534.8	254.5	17.7	807.0
1987	DATA NOT AVAILABLE AT PUBLICATION TIME			
1988				
1989				
1990				

TABLE 8:
MEXICAN MILL CONSUMPTION OF MANUFACTURED FIBER, COTTON & WOOL

MILLION POUNDS & *PERCENT*

YEAR	GRAND TOTAL		COTTON[b]		WOOL[c]		MANUFACTURED FIBER[a]		MANUFACTURED FIBER DETAIL			
									ARTIFICIAL (CELL.) TOTAL[d]		SYNTHETIC (NONCELL.) TOTAL[d]	
	LB	%	LB	%	LB	%	LB	%	LB	%	LB	%
1982	888.7	*100.0*	302.4	*34.0*	14.7	*1.7*	571.6	*64.3*	52.2	*5.9*	519.4	*58.4*
1983	861.5	*100.0*	253.4	*29.4*	11.3	*1.3*	596.8	*69.3*	39.5	*4.6*	557.3	*64.7*
1984	924.0	*100.0*	266.9	*28.9*	14.1	*1.5*	643.0	*69.6*	41.3	*4.5*	601.7	*65.1*
1985	1026.9	*100.0*	304.3	*29.6*	20.3	*2.0*	702.3	*68.4*	41.1	*4.0*	661.2	*64.4*
1986	821.8	*100.0*	264.0	*32.1*	15.3	*1.9*	542.5	*66.0*	36.3	*4.4*	506.2	*61.6*
1987	1029.9	*100.0*	327.8	*31.8*	13.4	*1.3*	688.7	*66.9*	43.9	*4.3*	644.8	*62.6*
1988	1154.5	*100.0*	373.4	*32.3*	13.9	*1.2*	767.2	*66.5*	41.9	*3.6*	725.3	*62.9*
1989	1143.4	*100.0*	360.5	*31.5*	13.1	*1.2*	769.8	*67.3*	42.9	*3.1*	726.9	*63.6*
1990	1142.2	*100.0*	368.6	*32.3*	12.8	*1.1*	760.8	*66.6*	54.6	*3.4*	706.2	*61.9*

a. Manufactured fiber data are from ***Fiber Organon,*** January 1992 and earlier editions.
The data show the manufactured net available supply, which approximates mill consumptions.

b. **Source: International Cotton Advisory Committee, *Cotton: World Statistics,*** Vol. 45, No. 1, October 1991 issue. Cotton refers to ginned raw cotton.
It does not refer to waste or cotton fibers subjected to any other process. Data are for the cotton year ending July 31, 1990.

c. **Source: Commonwealth Secretariat, *Wool Statistics,*** 1990 - 1991. Wool refers to virgin wool, clean basis, at the spinning stage.

d. Including yarn, staple+tow and spun yarn.

TABLE 9:

MEXICAN MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF PRODUCTS

MILLION POUNDS & *PERCENT*

YEAR	MANUFACTURED FIBER MILL CONSUMPTION=PRODUCERS' SHIPMENTS (DOM) PLUS IMPORTS FOR CONSUMPTION (IMP)															
	ARTIFICIAL (CELLULOSIC) FIBER								SYNTHETIC (NONCELLULOSIC) FIBER							
	YARN+MONOFIL			STAPLE+TOW					YARN+MONOFIL			STAPLE+TOW				
	DOM	IMP	TOTAL	DOM	IMP	TOTAL	EXP	TOTAL	DOM	IMP	TOTAL	DOM	IMP	TOTAL	EXP	TOTAL
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1982	31.1	0	31.1	11.9	10.9	22.8	1.7	52.2	269.2	3.4	272.6	254.4	8.3	262.7	15.9	519.4
1983	23.8	0.1	23.9	11.0	6.1	17.1	1.5	39.5	291.3	1.0	292.3	289.0	7.6	296.6	31.6	557.3
1984	24.0	+	24.0	8.8	9.6	18.4	1.1	41.3	302.5	1.7	304.2	326.3	2.2	328.5	31.0	601.7
1985	26.9	+	26.9	0	15.9	15.9	1.7	41.1	335.5	3.0	338.5	348.5	4.3	352.8	30.1	661.2
1986	27.1	0.4	27.5	0	10.8	10.8	2.0	36.3	337.7	3.9	341.6	325.8	15.3	341.1	176.5	506.2
1987	27.1	+	27.1	0	18.3	18.3	1.5	43.9	326.7	3.8	330.5	414.0	22.9	436.9	122.6	644.8
1988	27.6	0.2	27.8	0	15.3	15.3	1.2	41.9	334.9	4.5	339.4	425.5	20.8	446.3	60.4	725.3
1989	26.9	0.9	27.8	0	17.3	17.3	2.2	42.9	261.7	8.8	270.5	479.5	28.5	508.0	51.6	726.9
1990	29.1	2.0	31.1	0	25.6	25.6	2.1	54.6	291.0	12.4	303.4	421.7	40.6	462.3	59.5	706.2

Continued on opposite page.

TABLE 9:
MEXICAN MILL CONSUMPTION OF FIBER AND DOMESTIC CONSUMPTION OF PRODUCTS *(CONTINUED)*
MILLION POUNDS & *PERCENT*

	MILL CONSUMPTION OF 4 FIBERS									DOMESTIC CONSUMPTION OF 3 FIBERS (CONS)=MILL CONSUMPTION+IMPORTS (IMP) LESS EXPORTS (EXP) OF SEMIMANUFACTURED & MANUFACTURED PRODUCTS											
	MANUFACTURED FIBER		COTTON		WOOL		SILK	TOTAL		MANUFACTURED FIBER			COTTON			WOOL			TOTAL		
YEAR	LB	%	LB	%	LB	%	LB	LB	%	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS	IMP	EXP	CONS
	(17)		(18)		(19)		(20)	(21)		(22)	(23)	(24)	(25)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(33)
1982	571.6	*64.3*	302.4	*34.0*	14.7	*1.7*	--	888.7	*100.0*	31.3	4.0	598.9	5.7	8.2	299.9	0.9	0	15.6	37.9	12.2	914.4
1983	596.8	*69.3*	253.4	*29.4*	11.3	*1.3*	--	861.5	*100.0*	5.3	9.0	593.1	1.3	9.5	245.2	0.7	0	12.0	7.3	18.5	850.3
1984	643.0	*69.6*	266.9	*28.9*	14.1	*1.5*	--	924.0	*100.0*	9.5	14.3	638.5	4.2	11.7	259.4	1.3	0	15.4	15.0	26.0	913.0
1985	702.3	*68.4*	304.3	*29.6*	20.3	*2.0*	--	1026.9	*100.0*	17.2	12.3	707.2	5.1	7.1	302.3	1.8	0	22.1	24.1	19.4	1031.6
1986	542.5	*66.0*	264.0	*32.1*	15.3	*1.9*	--	821.8	*100.0*	15.2	22.9	534.8	4.6	14.1	254.5	2.4	0	17.7	22.2	37.0	807.0
1987	688.7	*66.9*	327.8	*31.8*	13.4	*1.3*	--	1029.9	*100.0*	DATA NOT AVAILABLE AT PUBLICATION TIME											
1988	767.2	*66.5*	373.4	*32.3*	13.9	*1.2*	--	1154.5	*100.0*												
1989	769.8	*67.3*	360.5	*31.5*	13.1	*1.2*	--	1143.4	*100.0*												
1990	760.8	*66.6*	368.6	*32.3*	12.8	*1.1*	--	1142.2	*100.0*												

SOURCES OF DATA, ARRANGED BY COLUMN NUMBER ( ):

1 - 16: ***Fiber Organon,*** January 1992 and earlier editions.

18: **International Cotton Advisory Committee, *Cotton: World Statistics,*** Vol. 45, No. 1, October 1991. Cotton refers to ginned raw cotton. It does not refer to waste or cotton fibers subjected to any other process. Data are for the cotton year ending July 31, 1990.

19: **Commonwealth Secretariat, *Wool Statistics,*** 1990 - 1991. Wool refers to virgin wool, clean basis, at the spinning stage.

7, 22, 23, 25, 26, 28 & 29: Food and Agriculture Organization of the United Nations. Some data are preliminary.

CERTAIN TOTALS IN THE TABLES:

(Obvious totals such as columns 1+2=3, 4+5=6, etc. are not described here.)

8: Columns 3 + 6 - 7
16: Columns 11 + 14 - 15
17: Columns 8 + 16
24: Columns 17 + 22 - 23
27: Columns 18 + 25 - 26
30: Columns 19 + 28 - 30

TABLE 10:
MEXICAN MANUFACTURED FIBER IMPORTS
THOUSAND POUNDS

ITEM	1989	1990	1991
ARTIFICIAL (CELLULOSIC) FIBER			
FILAMENT YARN			
HIGH TENACITY	35	1243	128
TEXTURED	24	172	106
OTHER	498	324	62
MONOFILAMENTS & STRIPS	298	280	30
SUBTOTAL ABOVE	**855**	**2019**	**326**
STAPLE	17243	25485	7914
TOW	43	20	243
TOPS	17	59	3
SUBTOTAL ABOVE	**17303**	**25564**	**8160**
WASTE	**28**	**146**	**378**
SYNTHETIC (NONCELLULOSIC) FIBERS			
FILAMENT YARN			
NYLON			
HIGH TENACITY	1407	1569	1426
TEXTURED			
UP TO 450 DENIER	30	389	598
OVER 450 DENIER	255	599	233
OTHER	1333	2594	2778
SUBTOTAL ABOVE	**3025**	**5151**	**5035**
POLYESTER			
HIGH TENACITY	397	369	190
TEXTURED	824	1283	2954
POY	1	342	462
OTHER	195	171	323
SUBTOTAL ABOVE	**1417**	**2165**	**3929**
OTHER SYNTHETIC FILAMENT			
TEXTURED	539	162	54
OTHER	2839	3995	3494
MONOFILAMENTS & STRIPS	978	922	587
SUBTOTAL ABOVE	**4356**	**5079**	**4135**
STAPLE			
NYLON	861	1234	669
POLYESTER	7176	9462	5148
ACRYLIC	3642	2572	800
POLYPROPYLENE	11789	18440	11744
OTHER	43	65	121
TOW			
NYLON	23	414	480
POLYESTER	206	266	184
ACRYLIC	396	3495	225
OTHER	1	14	8
TOPS	4347	4659	1076
SUBTOTAL ABOVE	**28484**	**40621**	**20455**
WASTE			
OTHER	2413	776	566
TOTAL MANUFACTURED FIBERS ABOVE	**57881**	**81521**	**42984**
OTHER MFRD. FIBER YARN & THREAD			
SEWING THREAD			
FILAMENT	237	153	122
SPUN YARN	229	179	138
SPUN YARNS			
SYNTHETIC	841	943	510
ARTIFICIAL	186	263	157
PUT UP FOR RETAIL SALE	507	286	226
GRAND TOTAL ABOVE	**59881**	**83345**	**44137**

SOURCE: SECOFI, Secretariat de Commercial E Fomento Industrial

TABLE 11:
MEXICAN MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	1989	1990	1991
ARTIFICIAL (CELLULOSIC) FIBER			
FILAMENT YARN			
HIGH TENACITY	186	46	354
TEXTURED	397	506	88
OTHER	6110	4462	5779
MONOFILAMENTS & STRIPS	3297	8419	2086
SUBTOTAL ABOVE	**9990**	**13433**	**8307**
STAPLE	0	2	8
TOW	13413	16292	19619
TOPS	+	30	5
SUBTOTAL ABOVE	**13413**	**16324**	**19632**
WASTE	3	5	7
SYNTHETIC (NONCELLULOSIC) FIBERS			
FILAMENT YARN			
NYLON			
HIGH TENACITY	9808	11714	12437
TEXTURED			
UP TO 450 DENIER	2093	101744	1969
OVER 450 DENIER	1691	598	1146
OTHER	5892	6881	4316
SUBTOTAL ABOVE	**19484**	**120937**	**19868**
POLYESTER			
HIGH TENACITY	6826	6491	7547
TEXTURED	33683	37321	19836
POY	24529	21637	22624
OTHER	1698	1916	3158
SUBTOTAL ABOVE	**66736**	**67365**	**53165**
OTHER SYNTHETIC FILAMENT			
TEXTURED	7367	4789	5237
OTHER	2960	1442	3253
MONOFILAMENTS & STRIPS	3173	494	464
SUBTOTAL ABOVE	**13500**	**6725**	**8954**
STAPLE			
NYLON	16	5	43
POLYESTER	16170	22160	24178
ACRYLIC	10784	8823	15452
POLYPROPYLENE	20	38	323
OTHER	901	+	+
TOW			
NYLON	1	6	49
POLYESTER	0	+	0
ACRYLIC	11125	6272	11650
OTHER	2	22	50
TOPS	25601	27629	47186
SUBTOTAL ABOVE	**64620**	**64955**	**98931**
WASTE			
OTHER	14312	13913	12550
TOTAL MANUFACTURED FIBERS ABOVE	**202058**	**303657**	**221414**
OTHER MFRD. FIBER YARN & THREAD			
SEWING THREAD			
FILAMENT	470	569	438
SPUN YARN	1575	2866	1013
SPUN YARNS			
SYNTHETIC	15950	13692	13292
ARTIFICIAL	518	48	62
PUT UP FOR RETAIL SALE	12129	1281	2394
GRAND TOTAL ABOVE	**232700**	**322113**	**238613**

SOURCE: SECOFI, Secretariat de Commercial E Fomento Industrial

TABLE 12:
CANADIAN MANUFACTURED FIBER IMPORTS
THOUSAND POUNDS

ITEM	1989	1990	1991
ARTIFICIAL (CELLULOSIC) FIBER			
FILAMENT YARN			
HIGH TENACITY	88	54	50
TEXTURED	58	35	77
OTHER	3326	2264	1709
MONOFILAMENTS & STRIPS	6	2	5
SUBTOTAL ABOVE	**3478**	**2355**	**1841**
STAPLE	1158	825	1551
TOW	2014	1386	1767
TOPS	33	95	6
SUBTOTAL ABOVE	**3205**	**2306**	**3324**
WASTE	**625**	**990**	**1423**
SYNTHETIC (NONCELLULOSIC) FIBERS			
FILAMENT YARN			
NYLON			
HIGH TENACITY	3699	3873	3935
TEXTURED			
UP TO 450 DENIER	8563	8397	8292
OVER 450 DENIER	22066	17134	12496
OTHER	13450	13979	19259
SUBTOTAL ABOVE	**47778**	**43383**	**43982**
POLYESTER			
HIGH TENACITY	9865	8108	8762
TEXTURED	22098	22155	24156
POY	14959	9233	6538
OTHER	9981	6655	7043
SUBTOTAL ABOVE	**56903**	**46151**	**46499**
OTHER SYNTHETIC FILAMENT			
TEXTURED	4715	2163	1517
OTHER	4023	3642	4708
MONOFILAMENTS & STRIPS	5147	5195	4869
SUBTOTAL ABOVE	**13885**	**11000**	**11094**
STAPLE			
NYLON	6317	7614	9587
POLYESTER	32311	27854	31085
ACRYLIC	17246	14556	14450
POLYPROPYLENE	3058	9418	9753
OTHER	536	787	212
TOW			
NYLON	1625	1647	1623
POLYESTER	446	217	269
ACRYLIC	8568	6565	5438
OTHER	25	25	16
TOPS	6931	2886	2452
SUBTOTAL ABOVE	**77063**	**71569**	**74885**
WASTE			
OTHER	25897	20164	24218
TOTAL MANUFACTURED FIBERS ABOVE	**228834**	**197918**	**207266**
OTHER MFRD. FIBER YARN & THREAD			
SEWING THREAD			
FILAMENT	2806	2775	2394
SPUN YARN	659	680	825
SPUN YARNS			
SYNTHETIC	67466	52645	46357
ARTIFICIAL	882	700	1139
PUT UP FOR RETAIL SALE	1550	1358	1493
GRAND TOTAL ABOVE	**302197**	**256076**	**259474**

SOURCE: Statistics Canada

TABLE 13:
CANADIAN MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

ITEM	1989	1990	1991
ARTIFICIAL (CELLULOSIC) FIBER			
FILAMENT YARN			
HIGH TENACITY	27	1	0
TEXTURED	1214	232	27
OTHER	22744	19712	23657
MONOFILAMENTS & STRIPS	3	0	4
SUBTOTAL ABOVE	**23988**	**19945**	**23688**
STAPLE	49532	56579	44648
TOW	35643	38886	38253
TOPS	45	3	4
SUBTOTAL ABOVE	**85220**	**95468**	**82905**
WASTE	**584**	**545**	**450**
SYNTHETIC (NONCELLULOSIC) FIBERS			
FILAMENT YARN			
NYLON			
HIGH TENACITY	25737	29760	25096
TEXTURED			
UP TO 450 DENIER	1091	665	7128
OVER 450 DENIER	2558	13856	25511
OTHER	748	2247	15687
SUBTOTAL ABOVE	**30134**	**46528**	**73422**
POLYESTER			
HIGH TENACITY	8036	11064	11216
TEXTURED	553	131	130
POY	36	64	1
OTHER	4588	213	552
SUBTOTAL ABOVE	**13213**	**11472**	**11899**
OTHER SYNTHETIC FILAMENT			
TEXTURED	16856	17583	14667
OTHER	1404	1899	1086
MONOFILAMENTS & STRIPS	2911	2882	3167
SUBTOTAL ABOVE	**21171**	**22364**	**18920**
STAPLE			
NYLON	4910	21369	15266
POLYESTER	7216	4840	14538
ACRYLIC	21	14	0
POLYPROPYLENE	584	1290	364
OTHER	71	361	1
TOW			
NYLON	0	13	98
POLYESTER	0	0	147
ACRYLIC	74	0	4
OTHER	1	175	69
TOPS	678	324	178
SUBTOTAL ABOVE	**13555**	**28386**	**30665**
WASTE			
OTHER	12044	17189	13315
TOTAL MANUFACTURED FIBERS ABOVE	**199909**	**241897**	**255264**
OTHER MFRD. FIBER YARN & THREAD			
SEWING THREAD			
FILAMENT	117	495	125
SPUN YARN	132	14	18
SPUN YARNS			
SYNTHETIC	3110	5808	5108
ARTIFICIAL	162	389	319
PUT UP FOR RETAIL SALE	4307	1341	1503
GRAND TOTAL ABOVE	**207737**	**249944**	**262337**

SOURCE: Statistics Canada

TABLE 14:
U.S. MANUFACTURED FIBER IMPORTS[a]
THOUSAND POUNDS

ITEM	1992												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	528	848	202	342	334	265							2519	1282
TEXTURED	0	0	13	0	0	1							14	0
OTHER	2637	2044	2756	2662	2644	2226							14969	10989
MONOFILAMENTS & STRIPS	11	0	0	1	2	0							14	11
SUBTOTAL ABOVE	**3176**	**2892**	**2971**	**3005**	**2980**	**2492**							**17516**	**12282**
STAPLE	8581	7288	7938	7753	8799	6719							47078	46373
TOW	103	111	187	189	114	153							857	799
TOPS	0	0	0	0	1	5							6	0
SUBTOTAL ABOVE	**8684**	**7399**	**8125**	**7942**	**8914**	**6877**							**47941**	**47172**
WASTE	0	46	47	34	0	22							149	1363
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	913	980	950	1250	1113	689							5895	11483
TEXTURED														
UP TO 450 DENIER	411	517	424	475	644	581							3052	1845
OVER 450 DENIER	3249	1978	1764	3385	3059	3661							17096	12900
POY	2498	3305	3987	3561	3080	3013							19444	14112
OTHER	2245	1850	1791	2394	2497	2330							13107	7707
MONOFILAMENTS & STRIPS	172	165	112	183	188	159							979	674
SUBTOTAL ABOVE	**9488**	**8795**	**9028**	**11248**	**10581**	**10433**							**59573**	**48721**
POLYESTER														
HIGH TENACITY	1142	1602	1593	1524	1642	1501							9004	3775
TEXTURED	630	854	835	1106	677	734							4836	3923
POY	728	634	302	621	476	1655							4416	1532
OTHER	1229	1433	1192	885	946	1758							7443	9010
MONOFILAMENTS & STRIPS	38	75	29	38	100	114							394	274
SUBTOTAL ABOVE	**3767**	**4598**	**3951**	**4174**	**3841**	**5762**							**26093**	**18514**
OTHER SYNTHETIC FILAMENT														
TEXTURED	212	93	72	119	203	93							792	901
OTHER	1496	1096	1231	965	1367	1076							7231	6157
MONOFILAMENTS & STRIPS	804	616	768	519	577	543							3827	3113
SUBTOTAL ABOVE	**2512**	**1805**	**2071**	**1603**	**2147**	**1712**							**11850**	**10171**
STAPLE														
NYLON	2554	2136	3403	2803	2386	2952							16234	11686
POLYESTER	17422	15430	20302	24558	20654	22705							121071	84727
ACRYLIC	1607	1450	2326	2048	1152	1970							10553	6974
POLYPROPYLENE	168	77	268	340	183	141							1177	1693
OTHER	265	320	258	182	713	519							2257	1628
TOW														
NYLON	701	503	688	883	460	583							3818	2618
POLYESTER	35	78	122	0	56	92							383	670
ACRYLIC	2009	2686	2324	2657	2309	1693							13678	12157
OTHER	0	39	22	0	55	81							197	85
TOPS	757	1003	1353	817	929	1298							6157	537
SUBTOTAL ABOVE	**25518**	**23722**	**31066**	**34288**	**28897**	**32034**							**175525**	**122775**
WASTE														
NYLON	791	1083	1481	1594	1750	1285							7984	9646
POLYESTER	1022	1149	1194	679	872	1128							6044	6765
OTHER	606	633	681	946	793	726							4385	3064
TOTAL MANUFACTURED FIBERS ABOVE	**55564**	**52122**	**60615**	**65513**	**60775**	**62471**							**357060**	**280473**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	251	136	213	153	191	196							1140	714
SPUN YARN	318	277	317	643	706	607							2868	3084
SPUN YARNS														
SYNTHETIC	922	559	702	621	1075	846							4725	3929
ARTIFICIAL	0	0	0	0	0	0							0	0
PUT UP FOR RETAIL SALE	48	28	20	41	33	68							238	408
GRAND TOTAL ABOVE	**57103**	**53122**	**61867**	**66971**	**62780**	**64188**							**366031**	**288608**

SOURCE: U.S. Census Bureau Report IM145X.

a. U.S. General Imports.

TABLE 15:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

	1992												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	13	1	1	0	22	33							70	859
TEXTURED	7	61	13	37	29	9							156	538
OTHER	247	176	191	228	36	21							899	903
MONOFILAMENTS & STRIPS	19	42	100	47	37	56							301	79
SUBTOTAL ABOVE	**286**	**280**	**305**	**312**	**124**	**119**							**1426**	**2379**
STAPLE	1371	1087	1047	1643	1194	928							7270	7112
TOPS	1910	479	218	19	0	0							2626	174
SUBTOTAL ABOVE	**3281**	**1566**	**1265**	**1662**	**1194**	**928**							**9896**	**7286**
WASTE	**229**	**656**	**528**	**574**	**1345**	**600**							**3932**	**4632**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	4619	5521	5465	5135	5160	2995							28895	48282
TEXTURED														
UP TO 450 DENIER	923	786	816	634	636	991							4786	7426
OVER 450 DENIER	6214	4125	4665	3499	3595	2975							25073	21861
POY	52	80	198	144	209	184							867	305
OTHER	3119	3582	3893	2738	3030	3424							19786	20245
MONOFILAMENTS & STRIPS	29	32	29	128	157	76							451	218
SUBTOTAL ABOVE	**14956**	**14126**	**15066**	**12278**	**12787**	**10645**							**79858**	**98337**
POLYESTER														
HIGH TENACITY	4556	3556	4228	3783	3372	3774							23269	36245
TEXTURED	5546	6616	8101	7258	6149	6556							40226	32608
POY	884	1205	1232	1411	1650	1454							7836	8348
OTHER	629	768	745	612	708	577							4039	13088
MONOFILAMENTS & STRIPS	113	95	99	337	391	103							1138	1595
SUBTOTAL ABOVE	**11728**	**12240**	**14405**	**13401**	**12270**	**12464**							**76508**	**91884**
OTHER SYNTHETIC FILAMENT														
TEXTURED	596	338	407	281	479	458							2559	3380
OTHER	1569	1395	2521	2129	2517	2368							12499	12896
MONOFILAMENTS & STRIPS	967	954	1275	1495	1365	1311							7367	6671
SUBTOTAL ABOVE	**3132**	**2687**	**4203**	**3905**	**4361**	**4137**							**22425**	**22947**
STAPLE														
NYLON	2465	2456	2976	2523	3131	2436							15987	12917
POLYESTER	7763	8890	7719	7642	7420	9493							48927	53733
ACRYLIC	1251	1310	1982	2654	2524	3457							13178	15404
POLYPROPYLENE	3041	3740	5748	3109	5461	4986							26085	15177
OTHER	454	266	323	262	394	326							2025	7528
TOW														
NYLON	340	361	359	315	282	219							1876	949
POLYESTER	108	7	43	40	30	79							307	277
ACRYLIC	556	557	630	428	2448	732							5351	5107
OTHER	1	16	4	1	4	4							30	427
TOPS	9392	6332	3304	3984	2317	2380							27709	40226
SUBTOTAL ABOVE	**25371**	**23935**	**23088**	**20958**	**24011**	**24112**							**141475**	**151745**
WASTE														
NYLON	2800	2293	1940	2183	1831	2199							13246	16772
POLYESTER	3787	4239	4659	2716	3509	4992							23902	20978
OTHER	6168	5955	5627	5193	6637	4921							34501	43083
TOTAL MANUFACTURED FIBERS ABOVE	**71738**	**67977**	**71086**	**63182**	**68069**	**65117**							**407169**	**460043**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	610	560	819	455	571	1041							4056	5793
SPUN YARN	278	1332	635	3130	2646	1257							9278	1219
SPUN YARNS														
SYNTHETIC	2140	1933	2542	1301	1799	1385							11100	8370
ARTIFICIAL	526	355	508	312	579	314							2594	1501
PUT UP FOR RETAIL SALE	2727	2230	3082	2318	2707	817							13881	14257
GRAND TOTAL ABOVE	**78019**	**74387**	**78672**	**70698**	**76371**	**69931**							**448078**	**491183**

SOURCE: U.S. Census Bureau Report EM522.

TABLE 16:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1992												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	157	66	48	15	40	40							366	472
BELGIUM	100	0	98	64	280	125							667	84
BRAZIL	54	105	79	78	78	132							526	464
CANADA	1201	1053	1475	1499	1292	1156							7676	4652
CHILE	0	0	0	0	0	0							0	220
GERMANY	736	951	412	531	479	350							3459	3242
JAPAN	176	77	161	210	132	161							917	728
MEXICO	107	70	105	105	75	65							527	491
NETHERLANDS	254	262	157	145	198	72							1088	1354
UNITED KINGDOM	383	297	416	325	394	382							2197	268
ALL OTHER COUNTRIES [a]	8	11	20	33	12	9							93	107
TOTAL ARTIFICIAL YARN	**3176**	**2892**	**2971**	**3005**	**2980**	**2492**							**17516**	**12282**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	1567	1396	1473	1104	1319	1325							8184	7462
CANADA	4675	4144	4333	4376	4540	4013							26081	16647
CHINA, PRC	0	0	0	0	0	0							0	1543
FINLAND	424	744	473	855	1753	373							4622	1646
GERMANY	41	38	0	64	38	7							188	561
JAPAN	85	25	68	69	21	15							283	705
TAIWAN	220	0	287	441	954	616							2518	8432
THAILAND	189	189	186	134	99	49							846	3352
UNITED KINGDOM	702	322	456	425	75	45							2025	1945
YUGOSLAVIA	298	0	128	256	42	256							980	4128
ALL OTHER COUNTRIES [b]	483	541	721	218	73	178							2214	751
TOTAL ARTIFICIAL STAPLE+TOW	**8684**	**7399**	**8125**	**7942**	**8914**	**6877**							**47941**	**47172**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	3	39	31	34	46	94							247	612
BRAZIL	0	5	11	3	44	28							91	83
CANADA	4980	3882	3597	6272	5820	5154							29705	24899
COSTA RICA	485	465	393	754	583	679							3359	3334
ECUADOR	0	0	0	0	0	0							0	83
FRANCE	1128	435	656	570	771	935							4495	5015
GERMANY	1433	2244	1807	2114	1831	2407							11836	10459
IRELAND	78	105	334	167	148	162							994	993
ISRAEL	294	338	210	191	334	277							1644	695
ITALY	209	113	119	90	170	204							905	430
JAPAN	1687	1635	1595	1419	1574	1478							9388	6507
KOREA, REP. OF	179	58	159	161	198	197							952	521
MEXICO	1047	1554	1449	1474	1409	1612							8545	8544
NETHERLANDS	412	362	667	279	512	254							2486	1815
TAIWAN	680	547	37	132	230	383							2009	725
THAILAND	107	79	109	94	126	100							615	480
UNITED KINGDOM	2218	2464	3076	2480	1882	1962							14082	10716
ALL OTHER COUNTRIES [c]	827	873	800	791	891	1981							6163	1495
TOTAL SYNTHETIC YARN	**15767**	**15198**	**15050**	**17025**	**16569**	**17907**							**97516**	**77406**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	22	13	12	23	10	1							81	73
AUSTRALIA	31	24	50	33	81	25							244	367
BRAZIL	2	0	0	0	42	31							75	482
CANADA	3647	4089	5469	3288	3744	4478							24715	10084
FRANCE	551	409	401	558	218	508							2645	2369
GERMANY	1983	2109	2302	2839	1786	3247							14266	9638
INDIA	93	47	262	1078	67	22							1569	8983
IRELAND	468	43	427	258	274	397							1867	685
ITALY	291	56	28	127	232	470							1204	570
JAPAN	2184	3017	2863	3040	2902	2483							16489	12950
KOREA, REP. OF	7466	4228	9395	10932	9026	8618							49665	37760
MALAYSIA	88	44	0	0	0	0							132	235
MEXICO	1981	1579	1690	2413	2790	3269							13722	11345
SPAIN	62	64	104	209	162	60							661	92
SWITZERLAND	364	144	234	416	242	512							1912	1227
TAIWAN	4520	5903	5818	6736	5351	6245							34573	16679
TURKEY	127	240	491	40	130	302							1330	264
UNITED KINGDOM	1444	1677	1439	1742	1713	1361							9376	8259
ALL OTHER COUNTRIES [d]	194	36	81	556	127	5							999	713
TOTAL SYNTHETIC STAPLE+TOW	**25518**	**23722**	**31066**	**34288**	**28897**	**32034**							**175525**	**122775**

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a. France 36, Korea, Rep. of 22, Italy 14, India 13, Taiwan 3, Uruguay 3, China, PRC 1, Thailand 1.

b. Sweden 699, Spain 662, Brazil 571, Belgium 80, Czechoslovakia 60, Poland 43, C.I.S. 39, France 37, ~~India 20, Italy~~ 3.

c. South Africa 3070, India 806, Spain 467, Switzerland 406, Turkey 270, Egypt 247, Australia 228, Portugal 180, India 144, Czechoslovakia 111, Austria 70, Honduras 30, Hong Kong 24, Romania 22, Poland 21, Sweden 19, C.I.S. 18, Yugoslavia 17, China, PRC 4, Colombia 3, Denmark 3, Greece 2, Argentina 1.

d. China, PRC 443, Israel 167, Hong Kong 78, Denmark 63, Belgium 55, South Africa 46, Colombia 41, Czechoslovakia 31, Romania 29, Hungary 25, C.I.S. 15, Netherlands 5, Sweden 1.

TABLE 17:
U.S. PRODUCTION OF HOSIERY, 1982-1991
MILLION DOZEN PAIRS

ITEM	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991
WOMEN'S										
PANTYHOSE - SHEER	58.5	64.0	67.1	57.9	57.3	53.7	51.9	46.2	40.2	39.8
- ELASTOMER	43.2	47.6	39.4	49.0	52.0	56.0	64.7	65.9	64.2	65.2
- OTHER [a]	3.4	5.0	7.4	7.3	8.8	10.2	8.6	7.5	8.4	11.1
SUBTOTAL PANTYHOSE	**105.1**	**116.6**	**113.9**	**114.2**	**118.1**	**119.9**	**125.2**	**119.6**	**112.8**	**116.1**
STOCKINGS - NONSTRETCH	1.5	1.5	1.3	1.2	1.3	1.6	1.2	1.7	1.4	1.3
- STRETCH	2.4	2.7	2.5	2.2	1.8	2.2	2.2	2.8	2.8	1.7
- SUPPORT	0.5	0.6	0.4	0.4	0.3	0.4	0.3	0.6	0.9	1.0
- OTHER	0.1	+	+	0.1	0.1	+	0.1	+	+	0.1
SUBTOTAL STOCKINGS	**4.5**	**4.8**	**4.2**	**3.9**	**3.5**	**4.2**	**3.8**	**5.1**	**5.1**	**4.1**
SHEER KNEE-HIGHS & ANKLETS	38.1	40.3	44.0	42.2	45.3	42.8	40.9	42.2	36.4	36.7
TOTAL WOMEN'S	**147.7**	**161.7**	**162.1**	**160.3**	**166.9**	**166.9**	**169.9**	**166.9**	**154.3**	**156.9**
MEN'S (SIZES 10 and up)										
ANKLETS & FOOTSOCKS	27.1	27.2	26.8	26.0	26.6	26.9	24.1	24.9	21.6	23.0
MID-CALF	17.3	17.8	17.7	17.6	19.6	18.9	21.9	22.5	21.0	27.0
KNEE-HIGHS	17.6	21.5	23.9	23.8	21.5	18.4	21.2	20.6	18.3	17.8
TOTAL MEN'S	**62.0**	**66.5**	**68.4**	**67.4**	**67.7**	**64.2**	**67.2**	**68.0**	**60.9**	**67.8**
GIRLS', BOYS' & WOMEN'S (SIZES 8 -11)										
ANKLETS	11.9	17.3	19.5	19.4	27.4	29.1	29.8	37.8	36.1	37.9
KNEE-HIGHS	23.4	25.7	20.2	17.0	13.7	11.4	11.1	8.9	7.9	7.5
MID-CALF/CREW	4.0	4.9	4.5	6.2	8.2	12.1	14.9	19.4	18.9	20.1
WAIST-HIGHS	0.5	0.5	0.5	0.6	0.5	0.7	0.7	0.7	0.8	0.3
FOOTSOCKS	6.5	5.8	5.2	6.1	6.4	5.9	4.6	3.4	4.4	3.9
TOTAL GIRLS', BOYS' & WOMEN'S	**46.3**	**54.2**	**49.9**	**49.3**	**56.2**	**59.2**	**61.1**	**70.2**	**68.1**	**69.7**
INFANTS' & CHILDREN'S (SIZES 3 - 8 1/2)										
ANKLETS	16.1	16.5	15.5	14.2	16.6	16.9	17.0	21.4	18.8	19.4
KNEE-HIGHS	6.7	7.0	5.8	4.6	3.5	3.3	3.9	3.4	1.9	2.1
MID-CALF	1.4	1.4	3.6	5.7	6.7	7.9	10.8	14.9	10.0	12.2
WAIST-HIGHS & FOOTSOCKS	1.6	2.1	2.3	1.8	1.6	1.5	1.7	1.5	6.0*	5.7*
TOTAL INFANTS' & CHILDREN'S	**25.8**	**27.0**	**27.2**	**26.3**	**28.4**	**29.6**	**33.4**	**41.2**	**36.7**	**39.4**
TOTAL HOSIERY	**281.8**	**309.4**	**307.6**	**303.3**	**319.2**	**319.9**	**331.6**	**346.3**	**320.0**	**333.8**

SOURCE: National Association of Hosiery Manufactures - ***1991 Hosiery Statistics.***

+ Less than 100 thousand dozen pairs.

* Reflects data not included prior to 1990.

[a] Includes opaque hosiery, which is defined as hosiery knit on 370 needles or more, using leg yarn 30 denier or coarser.

TABLE 18:
QUARTERLY MANUFACTURED FIBER DATA

MILLION POUNDS

ITEM	1990					1991					1992				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						YARN+MONOFILAMENTS									
ARTIFICIAL (CELLULOSIC) YARN [a]															
PRODUCTION	46.8	52.3	53.6	53.5	206.2	48.0	55.4	54.5	55.3	213.2	52.6	60.5			
SHIPMENTS - DOMESTIC	40.1	43.3	45.3	44.0	172.7	38.7	47.7	46.3	47.2	179.9	43.1	50.2			
- EXPORT	7.8	9.1	8.7	8.4	34.0	8.7	8.3	7.8	7.5	32.3	9.0	9.0			
TOTAL SHIPMENTS	47.9	52.4	54.0	52.4	206.7	47.4	56.0	54.1	54.7	212.2	52.1	59.2			
ENDING STOCK	8.8	8.7	8.3	9.4		10.0	9.4	9.6	10.4		10.9	12.2			
IMPORTS	5.3	6.2	6.5	6.2	24.2	5.9	6.4	7.9	10.6	30.8	9.0	8.5			
TOTAL AVAILABLE	45.4	49.5	51.8	50.2	196.9	44.6	54.1	54.2	57.8	210.7	52.1	58.7			
NYLON															
PRODUCTION	428.3	438.1	408.2	397.3	1671.9	383.9	410.0	430.9	441.4	1666.2	414.6	417.3			
SHIPMENTS - DOMESTIC	382.5	383.2	377.8	394.0	1537.5	327.1	386.7	407.7	372.4	1493.9	380.9	400.4			
- EXPORT	37.9	38.4	43.0	39.5	158.8	37.4	35.2	32.2	35.3	140.1	37.7	29.5			
TOTAL SHIPMENTS	420.4	421.6	420.8	433.5	1696.3	364.5	421.9	439.9	407.7	1634.0	418.6	429.9			
ENDING STOCK	160.3	176.8	164.2	128.0		147.4	135.5	126.5	160.2		156.2	143.6			
OLEFIN [b]															
PRODUCTION	339.7	366.7	359.5	350.7	1416.6	321.9	353.6	369.3	363.4	1408.2	344.6	385.4			
SHIPMENTS - DOMESTIC	335.8	365.4	356.5	347.2	1404.9	312.0	353.0	361.3	354.3	1380.6	341.3	385.4			
- EXPORT	4.6	5.5	5.6	5.7	21.4	5.2	8.4	5.2	5.5	24.3	5.6	7.7			
TOTAL SHIPMENTS	340.4	370.9	362.1	352.9	1426.3	317.2	361.4	366.5	359.8	1404.9	346.9	393.1			
ENDING STOCK	65.4	61.2	58.6	56.4		61.1	53.3	56.1	59.7		57.4	49.7			
POLYESTER															
PRODUCTION	262.1	280.0	267.7	295.4	1105.2	288.2	302.6	300.0	317.1	1207.9	304.8	316.1			
SHIPMENTS - DOMESTIC	241.7	271.9	259.9	272.7	1046.2	249.1	283.7	287.3	293.9	1114.0	293.5	315.3			
- EXPORT	16.7	20.9	19.2	28.1	84.9	23.2	22.3	17.8	19.2	82.5	13.7	13.1			
TOTAL SHIPMENTS	258.4	292.8	279.1	300.8	1131.1	272.3	306.0	305.1	313.1	1196.5	307.2	328.4			
ENDING STOCK	149.4	136.6	125.2	119.8		135.7	132.3	127.2	131.2		128.8	116.5			
TOTAL SYNTHETIC (NONCELLULOSIC) ABOVE															
PRODUCTION	1030.1	1084.8	1035.4	1043.4	4193.7	994.0	1066.2	1100.2	1121.9	4282.3	1064.0	1118.8			
SHIPMENTS - DOMESTIC	960.0	1020.5	994.2	1013.9	3988.6	888.2	1023.4	1056.3	1020.6	3988.5	1015.7	1101.1			
- EXPORT	59.2	64.8	67.8	73.3	265.1	65.8	65.9	55.2	60.0	246.9	57.0	50.3			
SHIPMENTS	1019.2	1085.3	1062.0	1087.2	4253.7	954.0	1089.3	1111.5	1080.6	4235.4	1072.7	1151.4			
ENDING STOCK	375.1	374.6	348.0	304.2		344.2	321.1	309.8	351.1		342.4	309.8			
DOMESTIC SHIPMENTS	960.0	1020.5	994.2	1013.9	3988.6	888.2	1023.4	1056.3	1020.6	3988.5	1015.7	1101.1			
IMPORTS - TEXTURED YARN [c]	14.4	19.8	18.9	9.9	63.0	8.0	11.5	12.2	15.8	47.5	11.0	14.7			
- OTHER YARN [c]	24.6	20.2	18.4	19.8	83.0	25.2	28.7	29.8	34.1	117.8	32.2	34.4			
- MONOFILAMENTS	2.5	2.3	2.0	1.9	8.7	1.9	2.1	2.8	2.7	9.5	2.8	2.4			
TOTAL IMPORTS	41.5	42.3	39.3	31.6	154.7	35.1	42.3	44.8	52.6	174.8	46.0	51.5			
TOTAL AVAILABLE	1001.5	1062.8	1033.5	1045.5	4143.3	923.3	1065.7	1101.1	1073.2	4163.3	1061.7	1152.6			
						GLASS FIBER									
TOTAL SHIPMENTS	374.5	414.6	388.3	341.7	1519.1	335.3	391.7	396.8	364.7	1488.5	389.2	430.4			

FOOTNOTES FOR TABLE ABOVE & OPPOSITE:

"Imports" are general imports, as reported by the U.S. Census Bureau

a. Includes both rayon & acetate yarn.

b. Also include film fiber as well as spunbonded polypropylene.

c. Includes singles and plied.

TABLE 18:
QUARTERLY MANUFACTURED FIBER DATA *(CONTINUED)*

MILLION POUNDS

ITEM	1990					1991					1992				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
						STAPLE+TOW									
RAYON															
PRODUCTION	73.3	72.0	74.2	79.6	299.1	67.4	68.7	69.7	67.5	273.3	66.6	70.5			
SHIPMENTS -DOMESTIC	77.6	71.6	72.3	70.2	291.7	57.2	67.1	68.8	62.4	255.5	65.3	62.8			
-EXPORT	4.1	4.3	2.8	1.3	12.5	1.5	2.7	2.1	1.8	8.1	1.4	1.2			
TOTAL SHIPMENTS	81.7	75.9	75.1	71.5	304.2	58.7	69.8	70.9	64.2	263.6	66.7	64.0			
ENDING STOCK	14.0	10.1	9.2	17.3		26.0	24.9	23.7	27.0		26.9	33.4			
DOMESTIC SHIPMENTS	77.6	71.6	72.3	70.2	291.7	57.2	67.1	68.8	62.4	255.5	65.3	62.8			
IMPORTS FOR CONSUMPTION															
STAPLE GROUPED FILAMENTS	18.9	23.9	35.4	33.4	111.6	26.9	20.3	23.3	21.5	92.0	24.2	23.7			
TOTAL IMPORTS	18.9	23.9	35.4	33.4	111.6	26.9	20.3	23.3	21.5	92.0	24.2	23.7			
TOTAL AVAILABLE	96.5	95.5	107.7	103.6	403.3	84.1	87.4	92.1	83.9	347.5	89.5	86.5			
NYLON															
PRODUCTION	237.0	273.0	242.8	236.8	989.6	200.6	206.4	237.2	224.6	868.8	199.1	242.7			
SHIPMENTS -DOMESTIC	242.6	243.1	235.7	228.8	950.2	179.1	219.5	233.1	203.3	835.0	206.5	229.5			
-EXPORT	7.1	6.5	6.1	4.8	24.5	6.5	7.1	7.1	6.8	27.5	7.1	8.4			
TOTAL SHIPMENTS	249.7	249.6	241.8	233.6	974.7	185.6	226.6	240.2	210.1	862.5	213.6	237.9			
ENDING STOCK	37.1	60.5	61.5	64.7		79.7	59.5	56.5	71.0		56.5	61.3			
IMPORTS	12.4	9.9	9.9	8.9	41.1	6.5	7.8	9.8	9.7	33.8	10.0	10.1			
TOTAL AVAILABLE	255.0	253.0	245.6	237.7	991.3	185.6	227.3	242.9	213.0	868.8	216.5	239.6			
ACRYLIC+MODACRYLIC															
PRODUCTION	129.6	136.9	129.0	110.3	505.8	103.0	116.4	119.8	114.7	453.9	109.3	109.5			
SHIPMENTS -DOMESTIC	98.8	94.0	84.0	75.4	352.2	76.1	87.1	82.8	73.2	319.2	83.7	87.7			
-EXPORT	24.5	32.5	42.2	49.2	148.4	30.7	26.6	27.3	43.3	127.9	24.4	26.2			
TOTAL SHIPMENTS	123.3	126.5	126.2	124.6	500.6	106.8	113.7	110.1	116.5	447.1	108.1	113.9			
ENDING STOCK	72.8	83.2	86.0	71.7		67.9	70.6	80.3	78.5		79.7	75.3			
IMPORTS	12.6	9.6	6.8	8.8	37.8	9.2	10.0	8.7	10.1	38.0	12.4	11.8			
TOTAL AVAILABLE	111.4	103.6	90.8	84.2	390.0	85.3	97.1	91.5	83.3	357.2	96.1	99.5			
OLEFIN															
PRODUCTION	96.9	105.3	102.8	100.5	405.5	102.2	115.3	117.0	124.0	458.5	120.1	117.9			
SHIPMENTS -DOMESTIC	94.0	102.0	96.8	95.1	387.9	97.1	110.6	115.0	114.8	437.5	109.4	105.7			
-EXPORT	6.0	6.2	6.3	4.2	22.7	3.1	6.1	5.6	3.9	18.7	4.4	7.3			
TOTAL SHIPMENTS	100.0	108.2	103.1	99.3	410.6	100.2	116.7	120.6	118.7	456.2	113.8	113.0			
ENDING STOCK	31.5	28.6	28.3	29.5		31.5	30.1	26.5	31.8		38.1	43.0			
POLYESTER															
PRODUCTION	520.9	545.5	487.9	535.6	2089.9	505.2	524.6	568.7	604.4	2202.9	579.5	574.0			
SHIPMENTS -DOMESTIC	502.6	510.8	494.3	507.7	2015.4	467.9	525.5	548.5	586.0	2127.9	560.4	542.3			
-EXPORT	15.3	15.2	19.0	33.8	83.3	26.4	29.1	24.3	23.9	103.7	24.6	23.2			
TOTAL SHIPMENTS	517.9	526.0	513.3	541.5	2098.7	494.3	554.6	572.8	609.9	2231.6	585.0	565.5			
ENDING STOCK	192.9	212.4	187.0	181.1		192.0	162.0	157.9	152.4		146.9	155.4			
IMPORTS	24.9	30.3	30.2	37.8	123.2	41.5	43.9	40.0	54.4	179.8	53.4	68.1			
TOTAL AVAILABLE	527.5	541.1	524.5	545.5	2138.6	509.4	569.4	588.5	640.4	2307.7	613.8	610.4			
TOTAL SYNTHETIC (NONCELLULOSIC)															
PRODUCTION	984.4	1060.7	962.5	983.2	3990.8	911.0	962.7	1042.7	1067.7	3984.1	1008.0	1044.1			
SHIPMENTS -DOMESTIC	938.0	949.9	910.8	907.0	3705.7	820.2	942.7	979.4	977.3	3719.6	960.0	965.2			
-EXPORT	52.9	60.4	73.6	92.0	278.9	66.7	68.9	64.3	77.9	277.8	60.5	65.1			
TOTAL SHIPMENTS	990.9	1010.3	984.4	999.0	3984.6	886.9	1011.6	1043.7	1055.2	3997.4	1020.5	1030.3			
ENDING STOCK	334.3	384.7	362.8	347.0		371.1	322.2	321.2	333.7		321.2	335.0			
DOMESTIC SHIPMENTS	938.0	949.9	910.8	907.0	3705.7	820.2	942.7	979.4	977.3	3719.6	960.0	965.2			
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE	49.9	49.8	46.9	55.5	202.1	57.2	61.7	58.5	74.2	251.6	75.8	90.0			
OTHER N.C. STAPLE GROUPED FILAMENTS	2.5	1.7	1.7	1.8	7.7	2.0	1.9	3.4	4.2	11.5	4.5	5.2			
TOTAL IMPORTS	52.4	51.5	48.6	57.3	209.8	59.2	63.6	61.9	78.4	263.1	80.3	95.2			
TOTAL AVAILABLE	990.4	1001.4	959.4	964.3	3915.5	879.4	1006.3	1041.3	1055.7	3982.7	1040.3	1060.4			

TABLE 19:
SELECTED U.S. MONTHLY FIBER DATA

MILLION POUNDS

ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1992	YEAR TO DATE[a] 1991
	1992													
	MANUFACTURED FIBER TOTAL SHIPMENTS[b][c]													
ARTIFICIAL (CELLULOSIC)														
YARN	16.8	17.9	17.4	21.9	18.3	19.0	19.5						130.8	122.4
RAYON STAPLE	23.0	21.0	22.7	19.8	23.9	20.3	23.2						153.9	152.6
TOTAL ARTIFICIAL (CELLULOSIC)	**39.8**	**38.9**	**40.1**	**41.7**	**42.2**	**39.3**	**42.7**						**284.7**	**275.0**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	25.2	23.2	28.8	27.7	26.2	25.1	25.1						181.3	187.5
- CARPET	82.4	77.9	86.2	92.5	86.5	80.2	85.6						591.3	519.8
- TEXTILE[f]	33.9	29.2	31.8	30.4	31.1	30.2	31.1						217.7	219.1
POLYESTER - INDUSTRIAL[d]	30.6	28.9	31.6	34.9	30.5	31.5	29.6						217.6	192.3
- TEXTILE[f]	71.2	67.8	77.1	81.2	74.1	76.2	71.8						519.4	488.5
OLEFIN[e]	110.0	115.3	121.6	131.3	132.1	129.7	125.7						865.7	793.5
TOTAL YARN	**353.3**	**342.3**	**377.1**	**398.0**	**380.5**	**372.9**	**368.9**						**2593.0**	**2400.7**
STAPLE+TOW+FIBERFILL														
NYLON	70.8	63.5	79.3	85.3	77.6	75.0	76.8						528.3	488.4
ACRYLIC+MODACRYLIC	35.1	33.5	39.5	39.5	38.2	36.2	35.8						257.8	253.6
POLYESTER	195.1	186.8	203.1	208.9	177.4	179.2	196.9						1347.4	1234.2
OLEFIN	36.0	38.4	39.4	38.7	37.9	36.4	38.0						264.8	255.0
TOTAL STAPLE	**337.0**	**322.2**	**361.3**	**372.4**	**331.1**	**326.8**	**347.5**						**2398.3**	**2231.2**
TOTAL SYNTHETIC (NONCELLULOSIC)	**690.3**	**664.5**	**738.4**	**770.4**	**711.6**	**699.7**	**716.4**						**4991.3**	**4631.9**
TOTAL MANUFACTURED FIBER	**730.1**	**703.4**	**778.5**	**812.1**	**753.8**	**739.0**	**759.1**						**5276.0**	**4906.9**
	MANUFACTURED FIBER END-OF-MONTH STOCK													
ARTIFICIAL (CELLULOSIC)														
YARN	11.3	11.2	10.9	11.6	12.4	12.2	13.1						13.1	9.6
RAYON STAPLE	25.6	25.7	26.9	30.7	30.4	33.4	32.7						32.7	25.9
TOTAL ARTIFICIAL (CELLULOSIC)	**36.9**	**36.9**	**37.8**	**42.2**	**42.8**	**45.6**	**45.8**						**45.8**	**35.5**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	30.7	29.6	24.5	22.8	22.5	23.3	23.1						23.1	30.8
- CARPET	82.8	81.3	79.0	71.7	69.1	71.8	75.3						75.3	59.9
- TEXTILE[f]	43.4	48.6	52.7	50.0	48.8	48.5	47.4						47.4	50.4
POLYESTER - INDUSTRIAL[d]	34.7	35.8	34.7	33.7	34.6	34.0	26.5						26.5	39.3
- TEXTILE[f]	98.0	98.7	94.1	77.6	77.9	82.5	89.3						89.3	92.2
OLEFIN[e]	58.8	59.5	57.4	54.3	50.7	49.7	50.1						50.1	53.4
TOTAL YARN	**348.4**	**353.5**	**342.4**	**310.1**	**303.6**	**309.8**	**311.7**						**311.7**	**326.0**
STAPLE+TOW+FIBERFILL														
NYLON	64.0	63.5	56.5	51.0	55.1	61.3	60.3						60.3	61.9
ACRYLIC+MODACRYLIC	82.3	83.1	79.7	75.2	74.2	75.3	76.0						76.0	78.0
POLYESTER	144.3	147.3	146.9	137.7	135.8	155.4	166.4						166.4	174.9
OLEFIN	33.6	35.3	38.1	41.4	43.1	43.0	41.1						41.1	30.2
TOTAL STAPLE	**324.2**	**329.2**	**321.2**	**305.3**	**308.2**	**335.0**	**343.8**						**343.8**	**345.0**
TOTAL SYNTHETIC (NONCELLULOSIC)	**672.6**	**682.7**	**663.6**	**615.4**	**611.8**	**644.8**	**655.5**						**655.5**	**671.0**
TOTAL MANUFACTURED FIBER	**709.5**	**719.6**	**701.4**	**657.6**	**654.6**	**690.4**	**701.3**						**701.3**	**706.5**
	COTTON CONSUMPTION													
RAW COTTON	369.5	383.0	496.0	376.9	394.5	403.8							2423.7	2142.4
	WOOL CONSUMPTION[g]													
		1ST QUARTER			2ND QUARTER			3RD QUARTER			4TH QUARTER			
APPAREL CLASS WOOL		39.0			38.5								77.5	72.7
CARPET CLASS WOOL		4.6			4.3								8.9	6.2
TOTAL RAW WOOL		**43.6**			**42.8**								**86.4**	**78.9**

a. "Year to date" totals for stock, are the latest month's figures.
b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
c. Producers' total domestic shipments plus export shipments.
d. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
e. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
f. Includes low denier industrial yarn.
g. **Wool data available on a quarterly basis only.**

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FIBER ORGANON

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MANUFACTURED FIBER, COTTON & WOOL END USE SURVEY

HIGHLIGHTS

- Annual Manufactured Fiber, Cotton and Wool End Use Survey.
- Manufactured Fiber & Semimanufactured Imports 1991 . . . see page 178.

This month's issue of the ***Fiber Organon*** contains our annual report of U.S. manufactured, cotton and wool fiber consumption by end use. This report is part of a continuing series covering fiber end use for the 43 years 1949-1991.

This survey is to measure the amount of raw manufactured, cotton and wool fiber required to produce the various end use items. Other fibers such as silk, linen, jute and sisal are used in the various products covered by the survey, but no quantity data for these fibers are included in the end uses.

Comparability With Past Data

Every year we report the most up-to-date information on fiber end use, which means previous data must sometimes be revised. Data in a series which has been revised will be denoted by an "r". Changes in definitions or coverage in an end use item are noted in the definitions.

For example, data on glass fiber are no longer available to prevent disclosure of company-level data. These data were last reported in the September 1985 issue. There are new definitions for waste, apparel, home textiles and industrial and other consumer-type items.

The data in this survey may be used in conjunction with earlier issues of the ***Textile Organon & Fiber Organon*** as follows:

Years	*Textile Organon & Fiber Organon Issues*
1949-1955	November 1961
1956-1959	January 1966
1960-1963	January 1970
1964-1965	November 1971
1966-1967	November 1973
1968-1969	November 1975
1970	November 1976
1971-1972	November & December 1978
1973	November 1980
1974	November 1981
1975	November 1982
1976	November 1983
1977	September 1984
1978	September 1985
1979	September 1986
1983	September 1987
1984	September 1988
1985	September 1989
1986	September 1990
1987	September 1991

Continued On Page 175

TABLE 1: U.S. FIBER CONSUMPTION BY END USE[a]

END USE	TOTAL FIBER								MANUFACTURED FIBER							
	MILLION POUNDS				% OF TOTAL END USE[b]				MILLION POUNDS				% OF TOTAL END USE[b]			
	1988	1989	1990	1991	1988	1989	1990	1991	1988	1989[*]	1990[*]	1991[*]	1988	1989	1990	1991
APPAREL	5164	5514	5269	5604	*38*	*39*	*38*	*39*	2512	2569	2195	2221	*27*	*28*	*24*	*24*
HOME TEXTILES	2052	2285	2155	2179	*15*	*16*	*15*	*15*	954	927	896	885	*10*	*10*	*10*	*10*
FLOOR COVERINGS	3053	2997	3076	2986	*23*	*22*	*22*	*21*	3020	2959	3036	2941	*33*	*32*	*33*	*32*
INDUSTRIAL & OTHER CONS. - TYPE PROD	2807	2837	2978	3075	*21*	*20*	*21*	*21*	2490	2504	2635	2730	*27*	*27*	*29*	*30*
EXPORTS	456	492	532	572	*3*	*3*	*4*	*4*	313	337	364	394	*3*	*3*	*4*	*4*
TOTAL END USE	**13532**	**14125**	**14010**	**14416**	*100*	*100*	*100*	*100*	**9289**	**9296**	**9126**	**9171**	*100*	*100*	*100*	*100*

[*] **FOR 1989 THROUGH 1991, ARTIFICIAL (CELLULOSIC) STAPLE QUANTITIES FOR APPAREL, HOME TEXTILES, FLOOR COVERINGS AND INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS WERE PRORATED BASED ON 1988 ACTUAL DATA TO AVOID COMPANY DISCLOSURE.**

All data are drawn from the U.S. End Use Summary table on page 176.

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the September 1985 issue.

[a] Includes domestic shipments, fiber, yarn, fabric imports and waste.

[b] The percentages in these columns show the usage of each type of fiber by its major end use categories. They add to 100% vertically.

Fiber Organon

A Monthly Review

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SURVEY COVERAGE

Table Presentation

End use data are presented by type of fiber, manufactured, cotton and wool; by type of end use product; and by exports of domestic semimanufactured products. All data are in millions of pounds.

Table 1 shows both total and manufactured fiber consumption by end use for the years 1988, 1989, 1990 and 1991. In addition to the pounds of fiber consumed, the percentage of total end use is reported for five categories: apparel, home textiles, floor coverings, industrial and other consumer-type products and exports.

Table 2 presents greater fiber and annual detail than Table 1. Percentage distributions are given for both total end use and for individual end uses.

Tables 6 through 9 give further detail on each of the five end uses reported in Table 2, covering the same five year period 1987 - 1991. The major change in Tables 6-9 are: Home Textiles Item 51 is now "Curtains & Drapery", and Item 52 is "Upholstery" only (Table 7).

The substantial imports of finished products, such as apparel, blankets, tablecloths and rugs are not included in this survey as they are not manufactured in domestic mills.

Fibers Covered

The manufactured fiber data are presented in two general categories. Artificial (Cellulosic), which includes rayon and acetate, and Synthetic (Noncellulosic), which includes nylon, polyester, acrylic and olefin. Glass fiber is no longer included. See footnote (b) under General Notes on page 186 for additional descriptions. The cotton end use data cover raw cotton. Cotton waste and cotton linters quantities are excluded, except when pertaining to waste. See the section describing waste fiber coverage for further explanation. Wool data cover both virgin and reprocessed and reused wool.

SURVEY WASTE FIBER COVERAGE

In the survey, textile fiber waste is handled in three different ways: First, end uses which employ waste fiber, either wholly or in part without preliminary processing are not included (e.g., furniture stuffing, mattress felts, punched or needled felts for carpet & rug underlays, pressed wool felts and some nonwoven fabrics).

Second, for certain end uses which utilize both new fiber and the fiber derived from processed waste, the quantities shown have been calculated so as to exclude the waste component inasmuch as possible.

And third, waste which has been processed into usable spinnable fiber is included in the quantities shown for Blankets (Item 46), Carpets & Rugs (Item 50) and a number of other applications. It is important to note that in products such as these, fiber derived from waste by preliminary processing, especially for the manufactured fiber quantities, is a significant and measured part of the total end use.

METHODOLOGY

COTTON: The cotton series presented in earlier issues were mainly those of the National Cotton Council as published in its annual survey ***"Cotton Counts Its Customers"*** (1989 and earlier editions).

With the 1989 issue we changed the methodology in using the bale opening figure from the Bureau of the Census Report M22P plus imports. ***Cotton Counts Its Customers*** is used as an indicator for the end use distribution.

WOOL: The Wool Bureau and government data are employed.

Blends of wool with other fibers are common in many end uses, but little information is available on the fiber composition of these blends. Thus, relatively reliable measures are available mainly on the wool quantities used in Home Textiles (blankets and carpets) and such Apparel items as Craft Yarns.

These quantities were deducted from the Available Supply in Table 3, page 177, and residual quantities were then attributed to Apparel Usage in individual apparel items from the years 1987 - 1991. This was calculated by correlating the data of Census reports MA-23A and MQ-22T on Apparel and Broad Woven Goods, respectively.

MANUFACTURED FIBERS: The manufactured fiber data are based on producers' domestic shipments plus imports of fiber, yarn and semimanufactured products.

Continued on Page 177

TABLE 2:
U.S. END USE SUMMARY EXCLUDING GLASS FIBER
MILLION POUNDS & *PERCENT*

END USE & YEAR	GRAND TOTAL			COTTON			WOOL			MANUFACTURED FIBERS			MANUFACTURED FIBER DETAIL									
													ARTIFICIAL (CELL.)					SYNTHETIC (NONCELL.)				
													TOTAL			YARN LBS	STAPLE* LBS	TOTAL			YARN LBS	STAPLE LBS
	LBS	%[a]	%[b]	LBS	%[a]	%[b]	LBS	%[a]	%[b]	LBS	%[a]	%[b]	LBS	%[a]	%[b]			LBS	%[a]	%[b]		
APPAREL																						
1987	5564	100	40.0	2769	49.8	61.3	157	2.8	69.5	2638	47.4	28.8	236	4.2	40.2	123	113	2402	43.2	28.0	979	1423
1988	5164	100	38.2	2513	48.7	62.3	139	2.7	66.2	2512	48.6	27.0	276	5.3	45.0	143	133	2236	43.3	25.8	879	1357
1989	5514	100	39.0	2821	51.2	60.9	124	2.2	63.3	2569	46.6	27.6	274	5.0	45.7	150	124	2295	41.6	26.4	919	1376
1990	5269	100	37.6	2956	56.1	62.9	118	2.2	63.8	2195	41.7	24.1	294	5.6	49.2	148	146	1901	36.1	22.3	741	1160
1991	5604	100	38.9	3241	57.8	64.4	142	2.6	66.7	2221	39.6	24.2	283	5.0	50.9	162	121	1938	34.6	22.5	779	1159
HOME TEXTILES																						
1987	2162	100	15.5	1232	57.0	27.3	18	0.8	8.0	912	42.2	9.9	139	6.4	23.7	22	117	773	35.8	9.0	249	524
1988	2052	100	15.2	1079	52.6	26.8	19	0.9	9.0	954	46.5	10.3	130	6.3	21.2	21	109	824	40.2	9.5	271	553
1989	2285	100	16.2	1339	58.6	28.9	19	0.8	9.7	927	40.6	10.0	123	5.4	20.5	21	102	804	35.2	9.2	283	521
1990	2155	100	15.4	1245	57.8	26.5	14	0.6	7.6	896	41.6	9.8	104	4.8	17.4	23	81	792	36.8	9.3	280	512
1991	2179	100	15.1	1283	58.9	25.5	11	0.5	5.2	885	40.6	9.6	94	4.3	16.9	22	72	791	36.3	9.2	273	518
FLOOR COVERINGS																						
1987	2975	100	21.4	18	0.6	0.4	23	0.8	10.2	2934	98.6	32.0	1	0	0.2	0	1	2933	98.6	34.2	1614	1319
1988	3053	100	22.6	12	0.4	0.3	21	0.7	10.0	3020	98.9	32.5	1	0	0.2	0	1	3019	98.9	34.8	1650	1369
1989	2997	100	21.2	14	0.5	0.3	24	0.8	12.2	2959	98.7	31.8	1	0	0.2	0	1	2958	98.7	34.0	1660	1298
1990	3076	100	22.0	19	0.6	0.4	21	0.7	11.4	3036	98.7	33.3	+	0	0	0	+	3036	98.7	35.6	1785[c]	1251
1991	2986	100	20.7	20	0.7	0.4	25	0.8	11.7	2941	98.5	32.1	+	0	0	0	+	2941	98.5	34.1	1763[c]	1178
INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS																						
1987	2806	100	20.2	374	13.3	8.3	13	0.5	5.8	2419	86.2	26.4	189	6.7	32.2	22	167	2230	79.5	26.0	1185	1045
1988	2807	100	20.7	305	10.9	7.6	12	0.5	5.7	2490	88.6	26.8	181	6.4	29.5	21	160	2309	82.2	26.6	1239	1070
1989	2837	100	20.1	324	11.4	7.0	9	0.3	4.6	2504	88.3	26.9	175	6.2	29.2	26	149	2329	82.1	26.8	1266	1063
1990	2978	100	21.3	333	11.2	7.1	10	0.4	5.4	2635	88.4	28.9	171	5.7	28.6	8	163	2464	82.7	28.9	1300	1164
1991	3075	100	21.3	333	10.8	6.6	12	0.4	5.6	2730	88.8	29.8	147	4.8	26.4	7	140	2583	84.0	30.0	1243	1340
EXPORTS OF DOMESTIC PRODUCTS																						
1987	406	100	2.9	127	31.3	2.7	15	3.7	6.5	264	65.0	2.9	22	5.4	3.7	13	9	242	59.6	2.8	100	142
1988	456	100	3.3	124	27.2	3.0	19	4.2	9.1	313	68.6	3.4	25	5.5	4.1	15	10	288	63.1	3.3	119	169
1989	492	100	3.5	135	27.4	2.9	20	4.1	10.2	337	68.5	3.7	27	5.5	4.4	16	11	310	63.0	3.6	128	182
1990	532	100	3.7	146	27.4	3.1	22	4.1	11.8	364	68.5	3.9	29	5.5	4.8	17	12	335	63.0	3.9	138	197
1991	572	100	4.0	155	27.1	3.1	23	4.0	10.8	394	68.9	4.3	32	5.6	5.8	19	13	362	63.3	4.2	150	212
TOTAL END USE CONSUMPTION																						
1987	13913	100	100	4520	32.5	100	226	1.6	100	9167	65.9	100	587	4.2	100	180	407	8580	61.7	100	4127	4453
1988	13532	100	100	4033	29.8	100	210	1.6	100	9289	68.6	100	613	4.5	100	200	413	8676	64.1	100	4158	4518
1989	14125	100	100	4633	32.8	100	196	1.4	100	9296	65.8	100	600	4.2	100	213	387	8696	61.6	100	4256	4440
1990	14010	100	100	4699	33.5	100	185	1.3	100	9126	65.2	100	598	4.3	100	196	402	8528	60.9	100	4244	4284
1991	14416	100	100	5032	34.9	100	213	1.4	100	9171	63.7	100	556	3.9	100	210	346	8615	59.8	100	4208	4407

*** FOR 1989 THROUGH 1991, ARTIFICIAL (CELLULOSIC) STAPLE QUANTITIES FOR APPAREL, HOME TEXTILES, FLOOR COVERINGS AND INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS WERE PRORATED BASED ON 1988 ACTUAL DATA TO AVOID COMPANY DISCLOSURE.**

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the September 1985 issue.

[a] The percentages in these columns show the share of each fiber in the specified end use each year. They add horizontally to the 100% shown in each of the Grand Total columns.

[b] The percentages in these columns show the usage of each type of fiber by its major end use categories. They add vertically to the 100% shown under Total End Use Consumption.

[c] The increase in yarns for floor coverings is due to a more thorough response and not because of increased consumption.

TABLE 3:
END USE CONSUMPTION INCLUDING SEMIMANUFACTURED IMPORTS[e]
MILLION POUNDS

	MANUFACTURED FIBERS								COTTON			WOOL					
	MILL CONSUMPTION																
	ARTIFICAL (CELLULOSIC)			SYNTHETIC (NONCELLULOSIC)													
YEAR	YARN	STAPLE [b]	TOTAL	YARN	STAPLE [b]	TOTAL	IMPORTS [c]	TOTAL	MILL CONS. [a]	IMPORTS [c]	TOTAL	MILL CONS. [a]	REPRO-CESSED & REUSED [d]	COTTON SYSTEM [d]	IMPORTS [c]	TOTAL	AVAIL-ABLE SUPPLY
1987	179.6	406.0	585.6	3927.1	4349.0	8276.1	303.6	9165.3	3736.5	784.4	4520.9	167.6	7.9	6.9	44.1	226.5	13912.7
1988	200.2	412.2	612.4	4045.9	4359.1	8405.0	273.3	9290.7	3470.1	561.9	4032.0	156.1	3.8	6.8	43.0	209.7	13532.4
1989	213.6	387.3	600.9	4094.2	4314.7	8408.9	*286.4	9296.2	3985.9	*646.2	4632.1	139.6	4.5	13.8	*38.0	195.9	14124.2
1990	196.9	402.0	598.9	4143.3	4094.8	8238.1	*290.0	9127.0	4036.5	*662.2	4698.7	135.4	5.0	10.9	*33.4	184.7	14010.4
1991	210.7	345.8	556.5	4163.3	4147.8	8311.1	*303.6	9171.2	4347.5	*685.4	5032.9	159.0	5.3	15.7	*33.0	213.0	14417.1

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the September 1985 issue.

* Preliminary estimates.

[a] Mill Consumption is taken from page 69 of the April 1992 ***Fiber Organon***, plus subsequent revisions.

[b] Manufactured staple includes waste.

[c] Imports are taken from page 55 of the March 1992 ***Fiber Organon.***

[d] These volumes of reprocessed and reused wool, as well as wool used on the cotton spinning system, are not included in the mill consumption series for wool.

[e] Semimanufactured imports are taken from page 178 of this issue.

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UNIT PRODUCTION VERSUS FIBER CONSUMED

This survey shows the quantity of raw fiber which had to be put into process in order to manufacture end products. No direct comparison can be, or should be, made between the quantities of the fibers consumed, as recorded in the survey, and the finished or "shelf" weight of those end products by fiber. Comparison should be avoided because:

1. The variation in the weight per square yard of fabric made of the different fibers for the same end use. According to recent data collected by the U.S. Census Bureau, cotton fabrics averaged 7.0 square yards per pound and yards per pound. But for manufactured fiber, 100% filament yarn fabrics averaged 4.4 square yards per pound and spun yarn fabrics averaged 3.3 square yards per pound.

2. From these data, it is apparent that the "covering power" of fabrics made from the various fibers varies a great deal. Hence, a simple comparison of quantities of fibers consumed would be misleading both because of the differences in fibers concerning covering power and the difference in typical fabric weights of products made of the various fibers, as described.

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TABLE 4:
MANUFACTURED FIBER & SEMIMANUFACTURED IMPORTS
MILLION POUNDS

ITEM	1989	1990	1991
ARTIFICIAL (CELLULOSIC) FIBER			
FILAMENT YARN			
HIGH TENACITY	2.5	2.4	3.8
TEXTURED	1.4	0.4	+
OTHER	21.4	20.7	27.0
MONOFILAMENTS & STRIPS	1.0	0.7	+
SUBTOTAL ABOVE	**26.3**	**24.2**	**30.8**
STAPLE	53.1	106.1	90.7
TOW	0.8	5.5	1.3
TOPS	0.1	+	+
SUBTOTAL ABOVE	**54.0**	**111.6**	**92.0**
WASTE	**0.6**	**0.5**	**1.9**
SYNTHETIC (NONCELLULOSIC) FIBERS			
FILAMENT YARN			
NYLON			
HIGH TENACITY	19.5	15.2	18.6
TEXTURED			
UP TO 450 DENIER	3.5	3.6	4.4
OVER 450 DENIER	14.1	28.3	34.0
POY	0	11.8	30.6
OTHER	47.2	21.8	23.1
MONOFILAMENTS & STRIPS	1.3	1.6	1.5
SUBTOTAL ABOVE	**85.6**	**82.3**	**112.2**
POLYESTER			
HIGH TENACITY	7.8	6.0	8.3
TEXTURED	19.0	10.6	7.7
POY	16.3	4.8	3.2
OTHER	18.9	19.9	20.1
MONOFILAMENTS & STRIPS	0.7	0.6	0.7
SUBTOTAL ABOVE	**62.7**	**41.9**	**40.0**
OTHER SYNTHETIC FILAMENT			
TEXTURED	19.2	20.5	1.6
OTHER	7.8	3.4	13.7
MONOFILAMENTS & STRIPS	6.9	6.6	7.4
SUBTOTAL ABOVE	**33.9**	**30.5**	**22.7**
STAPLE			
NYLON	21.7	35.9	27.7
POLYESTER	117.7	122.2	178.8
ACRYLIC	17.9	16.7	14.8
POLYPROPYLENE	2.1	1.6	4.0
OTHER	4.4	3.2	3.4
TOW			
NYLON	4.5	5.3	6.2
POLYESTER	0.9	0.9	1.0
ACRYLIC	19.6	21.2	23.2
OTHER	0.6	0.6	0.2
TOPS	3.0	2.2	3.8
SUBTOTAL ABOVE	**192.4**	**209.8**	**263.1**
WASTE			
NYLON	24.0	21.3	20.1
POLYESTER	17.0	24.5	13.1
OTHER	7.0	8.6	7.1
TOTAL MANUFACTURED FIBERS ABOVE	**503.5**	**555.2**	**603.0**
SEMIMANUFACTURES [a]			
SLIVER, TOPS & ROVING	4.6	4.6	6.7
YARNS, THROWN OR PLIED	12.7	14.8	21.1
SPUN YARNS	48.8	23.4	7.4
SEWING THREAD	6.5	6.7	8.3
WOVEN FABRICS	186.4	197.1	211.7
NARROW FABRICS	15.4	20.7	22.5
KNIT FABRIC	12.0	22.7	25.9
TOTAL SEMIMANUFACTURES ABOVE	**286.4**	**290.0**	**303.6**
GRAND TOTAL ABOVE	**789.9**	**845.2**	**906.6**

SOURCES: U.S. Census Bureau Report IM146; U.S. Department of Agriculture, ***Cotton & Wool Situation and Outlook Report.***

Effective January 1,1989 the U.S. Imports are based on the new Harmonized System (HS). The Harmonized Tariff Schedule of the United States covering artificial (cellulosic) and synthetic (noncellulosic) fibers, Annotated for Statistical Reporting Purposes. **Data for 1989 through 1991 are not comparable to prior years.** Data for 1984 through 1988 are reported on page 206 of the September 1989 ***Fiber Organon*** issue.

a. Preliminary.

TABLE 5:
EXPORTS OF SEMIMANUFACTURED PRODUCTS[a]
MILLION POUNDS

END USE & YEAR	TOTAL FIBER	MANUFACTURED FIBERS[b]					COTTON	WOOL
			ARTIFICIAL (CELL.)		SYNTHETIC (NONCELL.)			
		TOTAL	YARN	STAPLE	YARN	STAPLE		
TOTAL EXPORTS OF SEMIMANUFACTURED PRODUCTS								
1987	405.6	263.8	12.5	8.6	100.3	142.4	126.9	14.9
1988	455.0	312.6	14.7	10.3	118.8	168.8	123.8	18.6
1989	492.6	337.6	15.9	11.1	128.3	182.3	134.9	20.1
1990	532.3	364.6	17.1	12.1	138.5	196.9	146.0	21.7
1991	571.2	393.8	18.4	13.2	149.7	212.5	154.8	22.6
*80 YARN, THREAD, ETC**								
1987	86.2	53.9	e	2.8	e	51.1	19.6	12.7
1988	110.2	66.5	e	3.5	e	63.0	27.2	16.5
1989	117.7	70.2	e	3.8	e	66.4	29.7	17.8
1990	127.1	75.8	e	4.1	e	71.7	32.1	19.2
1991	136.5	81.9	e	4.4	e	77.5	34.1	20.5
*81 WOVEN & KNIT FABRIC**								
1987	319.4	209.9	12.5	5.8	100.3	91.3	107.3	2.2
1988	344.8	246.1	14.7	6.8	118.8	105.8	96.6	2.1
1989	374.9	267.4	15.9	7.3	128.3	115.9	105.2	2.3
1990	405.2	288.8	17.1	8.0	138.5	125.2	113.9	2.5
1991	434.7	311.9	18.4	8.8	149.7	135.0	120.7	2.1

SOURCE: U.S. Department of Agriculture, ***Cotton & Wool Situation and Outlook Report.***
For all lettered and general footnotes to this table, see page 186.

1989 THROUGH 1991 PRELIMINARY ESTIMATES.

This is a non-add section since the volumes are included in Tables 2 and 6 through 9.

NOTES FOR EXPORT ITEMS ABOVE

For all lettered and general footnotes to this table, see page 186.

These exports do not duplicate the end use quantities that are reported in Items 1 through 79. Apparel items are not tabulated here because they already have been counted as the fabric was cut, i.e., they are counted only once regardless of the subsequent place of sale or consumer use.

Similarly, fabrics for blankets, sheets, upholstery & draperies, carpets, etc., are excluded since they are measured at the mill level as an end use.

The exports of manufactured fiber filament yarn+monofilaments, staple, tow, etc., are not tabulated in this section because these products are not a factor in U.S. mill consumption.

On the other hand, the two export items are recorded because, while they were processed or fabricated in U.S. mills, they were exported before reaching the point at which end use is measured.

80. YARN, THREAD, ETC:
Consists of sliver, tops & roving; plied and spun yarn; sewing thread and handwork yarns; cotton twine and cordage; and advanced wool.

81. WOVEN & KNIT FABRIC:
Consists of broad & narrow woven fabrics and knit cloth, except that cotton also includes table damask and tire cord & fabric.

TABLE 6:
FIBER CONSUMED IN U.S. APPAREL PRODUCTION INCLUDING FIBER, YARN, FABRIC IMPORTS & WASTE [a]
MILLION POUNDS

END USE & YEAR	TOTAL FIBER	MANUFACTURED FIBERS [b]					COTTON	WOOL
		TOTAL	ARTIFICIAL (CELL.)		SYNTHETIC (NONCELL.)			
			YARN	STAPLE*	YARN	STAPLE		
TOTAL APPAREL								
1987	5563.4	2637.5	123.4	112.8	978.8	1422.5	2769.2	156.7
1988	5163.4	2511.8	143.5	133.0	879.0	1356.3	2512.8	138.8
1989	r5513.8	r2569.4	150.1	124.1	r919.7	r1375.5	r2820.9	r123.5
1990	r5268.8	r2195.3	148.0	146.3	r740.8	r1160.2	r2955.5	118.0
1991	5604.4	2220.8	161.8	121.0	779.0	1159.0	3241.2	142.4
40 SHEER HOSIERY (W)*								
1987	95.4	91.3	- -	- -	91.3	- -	4.1	- -
1988	97.7	93.8	- -	- -	93.8	- -	3.9	- -
1989	r108.3	103.9	- -	- -	103.9	- -	r4.4	- -
1990	r102.2	97.9	- -	- -	97.9	- -	r4.3	- -
1991	112.4	108.0	- -	- -	108.0	- -	4.4	- -
19,41 ANKLETS & SOCKS (MW)*								
1987	224.5	112.8	c	0.4	59.0	53.4	107.9	3.8
1988	215.9	106.0	0.1	0.3	58.6	47.0	106.5	3.4
1989	r262.5	120.7	c	0.2	77.8	42.7	r138.5	3.3
1990	r252.8	118.5	0.3	0.2	82.2	35.8	r131.5	2.8
1991	278.3	123.5	0.4	0.2	85.5	37.4	151.4	3.4
8,29 SWEATERS & RELATED ACCESSORIES								
1987	257.8	155.6	- -	0.3	0.3	155.0	82.9	19.3
1988	211.5	140.9	0.1	0.1	0.4	140.3	55.6	15.0
1989	r207.0	140.0	- -	0.1	0.1	139.8	r52.4	14.6
1990	r151.4	99.1	- -	0.1	0.1	98.9	r39.8	12.5
1991	140.8	88.9	- -	0.1	0.4	88.4	39.4	12.5
57 CRAFT & HANDWORK YARNS*								
1987	80.6	72.0	0.9	0.2	c	70.9	4.6	4.0
1988	74.5	67.6	1.1	0.2	- -	66.3	3.8	3.1
1989	r71.4	64.9	0.9	0.2	- -	63.8	r4.3	2.2
1990	r69.7	r62.5	0.3	- -	- -	r62.2	5.3	1.9
1991	64.5	56.7	0.4	- -	0.2	56.1	5.5	2.3
16-18 UNDERWEAR & NIGHTWEAR (M)*								
1987	356.9	100.0	- -	- -	10.5	89.5	256.7	0.2
1988	321.8	84.8	- -	- -	8.7	76.1	236.8	0.2
1989	r339.9	79.7	- -	- -	7.6	72.1	r260.0	0.2
1990	r393.1	80.7	- -	- -	10.4	70.3	r312.2	0.2
1991	437.3	90.4	- -	- -	26.3	64.1	346.7	0.2
35-39 UNDERWEAR, NIGHTWEAR, BRAS AND FOUNDATIONS (W)*								
1987	204.8	123.7	1.9	- -	92.0	29.8	80.9	0.2
1988	200.0	125.2	2.9	- -	88.3	34.0	74.6	0.2
1989	r238.2	153.1	5.4	- -	94.2	53.5	r84.9	0.2
1990	r207.4	112.0	5.5	- -	66.7	39.8	r95.2	0.2
1991	221.1	113.4	3.7	- -	68.5	41.2	107.5	0.2
10,31 ROBES & LOUNGEWEAR (MW)*								
1987	89.9	61.7	19.7	- -	22.9	19.1	25.9	2.3
1988	86.3	63.9	19.3	- -	27.9	16.7	20.1	2.3
1989	r97.2	72.4	16.2	- -	35.0	21.2	r22.6	2.2
1990	r66.9	44.9	7.3	- -	21.0	16.6	r20.1	1.9
1991	71.3	52.6	10.5	- -	24.0	18.1	16.4	2.3

TABLE 6:
FIBER CONSUMED IN U.S. APPAREL PRODUCTION INCLUDING FIBER, YARN, FABRIC IMPORTS & WASTE [a] *(CONTINUED)*

MILLION POUNDS

		MANUFACTURED FIBERS [b]						
			ARTIFICIAL (CELL.)		SYNTHETIC (NONCELL.)			
END USE & YEAR	TOTAL FIBER	TOTAL	YARN	STAPLE*	YARN	STAPLE	COTTON	WOOL
54a HIGH PILE FABRICS								
1987	67.9	67.9	- -	2.0	15.4	50.5	- -	- -
1988	54.2	54.2	- -	- -	8.3	45.9	- -	- -
1989	54.7	54.7	4.0	- -	8.9	41.8	- -	- -
1990	r50.0	r50.0	- -	- -	10.9	r39.1	- -	- -
1991	40.9	40.9	- -	- -	11.7	29.2	- -	- -
54b FABRICS FOR LINING*								
1987	181.6	136.1	90.4	5.8	23.6	16.3	42.6	2.9
1988	176.7	139.1	104.1	6.5	18.3	10.2	34.9	2.7
1989	r167.1	129.9	95.7	6.1	20.8	7.3	r34.7	2.5
1990	r146.0	110.7	74.8	4.4	21.4	10.1	r33.2	2.1
1991	151.3	109.6	80.2	3.8	16.3	9.3	39.1	2.6
43 APPAREL LACE (W)*								
1987	3.9	2.4	0.3	- -	2.1	- -	1.5	- -
1988	4.6	3.1	- -	- -	3.1	- -	1.5	- -
1989	7.7	6.2	- -	- -	6.2	- -	1.5	- -
1990	4.4	2.9	- -	- -	2.9	- -	1.5	- -
1991	6.5	5.0	- -	- -	5.0	- -	1.5	- -
56a NARROW FABRICS*								
1987	77.7	51.6	2.2	- -	46.4	3.0	26.1	- -
1988	78.5	51.7	2.6	- -	46.4	2.7	26.8	- -
1989	r92.8	62.4	4.3	- -	56.2	1.9	r30.4	- -
1990	r81.1	50.1	3.2	- -	46.9	- -	r31.0	- -
1991	74.3	46.4	0.5	- -	45.9	- -	27.9	- -
TOPWEIGHT FABRICS*								
1987	1489.8	718.7	5.6	49.3	127.5	536.3	767.4	3.7
1988	1490.8	724.1	5.8	55.5	130.1	532.7	763.3	3.4
1989	r1744.0	r770.2	11.3	51.7	r158.4	r548.8	r970.5	3.3
1990	r1688.2	650.5	13.4	78.8	101.9	456.4	r1034.9	2.8
1991	1737.2	655.2	10.6	60.6	111.5	472.5	1078.8	3.2
BOTTOMWEIGHT FABRICS*								
1987	2370.2	934.9	2.4	53.3	484.5	394.7	1315.0	120.3
1988	2112.1	839.2	2.5	66.9	391.5	378.3	1164.4	108.5
1989	r2081.3	r792.9	1.3	62.4	r347.1	r382.1	r1193.4	r95.0
1990	r1983.5	667.4	1.4	60.5	274.9	330.6	r1222.5	93.6
1991	2187.1	670.3	1.5	54.2	272.4	342.2	1401.1	115.7
OTHER APPAREL & ACCESSORIES (MW)*								
1987	62.4	8.8	- -	1.5	3.3	4.0	53.6	c
1988	38.8	18.2	5.0	3.5	3.6	6.1	20.6	c
1989	r41.7	18.4	11.0	3.4	3.5	0.5	r23.3	c
1990	r72.1	48.1	41.8	2.3	3.6	0.4	r24.0	c
1991	81.4	59.9	54.0	2.1	3.3	0.5	21.5	c

*** FOR 1989 THROUGH 1991, ARTIFICIAL (CELLULOSIC) STAPLE QUANTITIES WERE PRORATED BASED ON 1988 ACTUAL DATA TO AVOID COMPANY DISCLOSURE.**

Most of the above data are taken from the Fiber Economics Bureau's publication ***Manufactured Fiber Handbook.***

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the September 1985 issue.

For all lettered and general footnotes to this table and the Home Textiles, Floor Covering and Industrial & Other Consumer-Type Products tables, please see page 186.

TABLE 7:
FIBER CONSUMED IN U.S. HOME TEXTILES PRODUCTION INCLUDING FIBER, YARN, FABRIC IMPORTS & WASTE EXCLUDING FLOOR COVERINGS[a]

MILLION POUNDS

END USE & YEAR	TOTAL FIBER	MANUFACTURED FIBERS[b]						COTTON	WOOL
		TOTAL	ARTIFICIAL (CELL.)		SYNTHETIC (NONCELL.)			
			YARN	STAPLE*	YARN	STAPLE		
TOTAL HOME TEXTILES								
1987	2162.3	912.3	21.8	117.2	248.8	524.5	1232.0	18.0
1988	2051.5	953.8	20.8	108.8	270.6	553.6	1078.6	19.1
1989	r2284.8	927.1	20.9	101.5	283.2	521.5	r1338.7	19.0
1990	r2154.9	895.9	22.9	80.8	280.4	r511.8	r1245.2	13.8
1991	2179.1	885.2	22.5	71.9	273.3	517.5	1283.4	10.5
45 BEDSREADS & QUILTS*								
1987	178.8	93.8	- -	3.3	20.5	70.0	85.0	- -
1988	190.1	109.9	0.2	- -	29.0	80.7	80.2	- -
1989	r156.4	72.7	- -	- -	21.9	50.8	r83.7	- -
1990	r161.7	71.6	- -	- -	21.7	49.9	r90.1	- -
1991	161.0	66.3	- -	- -	21.5	44.8	94.7	- -
46 BLANKETS & BLANKETING*								
1987	80.6	51.8	- -	0.2	- -	51.6	24.7	4.1
1988	73.0	43.5	- -	0.2	- -	43.3	25.3	4.2
1989	r118.9	48.7	- -	0.2	- -	48.5	r64.9	5.3
1990	r105.3	r32.6	- -	- -	- -	r32.6	r68.8	3.9
1991	104.7	23.9	- -	0.1	- -	23.8	77.8	3.0
47 SHEETS & OTHER BEDDING*								
1987	520.2	235.2	1.5	7.2	59.7	166.8	285.0	- -
1988	496.9	239.4	0.4	6.2	60.8	172.0	257.5	- -
1989	r516.8	228.5	- -	5.8	48.0	174.7	r288.3	- -
1990	r534.6	226.4	- -	4.4	51.8	170.2	r308.2	- -
1991	539.4	243.1	- -	3.8	56.0	183.3	296.3	- -
48 TOWELS & TOWELING*								
1987	556.4	34.2	- -	0.1	0.5	33.6	522.2	- -
1988	457.9	36.7	- -	0.2	0.5	36.0	421.2	- -
1989	r593.7	26.6	- -	0.2	- -	26.4	r567.1	- -
1990	r445.0	19.4	- -	0.1	0.2	19.1	r425.6	- -
1991	450.1	21.4	- -	0.1	0.4	20.9	428.7	- -
56b NARROW FABRICS*								
1987	6.2	2.2	- -	- -	1.7	0.5	4.0	- -
1988	6.0	2.0	- -	- -	1.8	0.2	4.0	- -
1989	7.5	3.5	- -	- -	0.1	3.4	4.0	- -
1990	4.0	- -	- -	- -	- -	- -	4.0	- -
1991	4.3	0.3	- -	- -	- -	0.3	4.0	- -

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LIMITATIONS OF THE SURVEY RESULTS

The statistical results of this end use survey should be considered as approximations. These data are best used as a means of comparison to measure the long-term trends among the fibers.

Please note that the data are given in millions of pounds and include one decimal place to show hundred thousand pounds. This device is employed not to show great accuracy, but rather to take into account some small quantities of fibers in such end uses as Apparel Lace and still allow the compilation to add arithmetically.

TABLE 7:
FIBER CONSUMED IN U.S. HOME TEXTILES PRODUCTION INCLUDING FIBER, YARN, FABRIC IMPORTS & WASTE EXCLUDING FLOOR COVERINGS[a] *(CONTINUED)*

MILLION POUNDS

END USE & YEAR	TOTAL FIBER	MANUFACTURED FIBERS[b]						COTTON	WOOL
		TOTAL	ARTIFICIAL (CELL.)		SYNTHETIC (NONCELL.)				
			YARN	STAPLE*	YARN	STAPLE			
51 CURTAINS & DRAPERY*									
1987	273.8	163.1	19.7	52.2	42.5	48.7		110.7	- -
1988	279.8	181.8	19.9	49.9	50.4	61.6		98.0	- -
1989	r309.5	187.3	17.0	46.6	60.2	63.5		r122.2	- -
1990	r310.5	181.1	18.5	38.2	55.5	68.9		r129.4	- -
1991	296.0	151.3	18.2	33.4	33.8	65.9		144.7	- -
52 UPHOLSTERY*									
1987	464.7	269.2	0.1	53.2	93.0	122.9		181.6	13.9
1988	450.4	259.8	- -	48.7	86.3	124.8		175.7	14.9
1989	r479.0	274.4	0.8	45.5	109.7	118.4		r190.9	13.7
1990	r471.8	261.2	c	34.5	121.8	104.9		r200.7	9.9
1991	481.0*	254.4	- -	31.4	126.2	96.8		219.1	7.5
OTHER HOME TEXTILES*									
1987	81.6	62.8	0.5	1.0	30.9	30.4		18.8	- -
1988	97.4	80.7	0.3	3.6	41.8	35.0		16.7	- -
1989	r103.0	85.4	3.1	3.2	43.3	35.8		r17.6	- -
1990	r122.0	103.6	4.4	3.6	29.4	66.2		r18.4	- -
1991	142.6	124.5	4.3	3.1	35.4	81.7		18.1	- -

TABLE 8:
FIBER CONSUMED IN U.S. FLOOR COVERINGS PRODUCTION INCLUDING FIBER, YARN, FABRIC IMPORTS & WASTE[a]

MILLION POUNDS

END USE & YEAR	TOTAL FIBER	MANUFACTURED FIBERS[b]					COTTON	WOOL
		TOTAL	ARTIFICIAL (CELL.)		SYNTHETIC (NONCELL.)			
			YARN	STAPLE*	YARN	STAPLE		
50 TOTAL CARPETS & RUGS*								
1987	2974.7	2933.6	- -	0.8	1613.7	1319.1	17.6	23.5
1988	r3053.2	r3019.9	- -	0.9	r1649.9	1369.1	11.7	21.6
1989	r2997.2	2958.8	- -	1.1	1659.7	1298.0	r13.9	24.5
1990	r3075.8	r3036.0	- -	0.3	r1784.9	1250.8	r18.8	21.0
1991	2986.9	2941.4	- -	0.1	1762.7	1178.6	20.1	25.4
50a FACE YARNS*								
1987	2462.0	2429.3	- -	0.8	1188.4	1240.1	9.2	23.5
1988	r2528.2	r2500.7	- -	0.9	r1222.9	1276.9	5.9	21.6
1989	r2429.4	2399.2	- -	1.1	1196.3	1201.8	r5.7	24.5
1990	r2525.2	r2496.0	- -	0.3	r1337.4	1158.3	r8.2	21.0
1991	2479.7	2445.6	- -	0.1	1349.4	1096.1	8.7	25.4
50b BACKING*								
1987	512.7	504.3	- -	- -	425.3	79.0	8.4	- -
1988	525.0	519.2	- -	- -	427.0	92.2	5.8	- -
1989	r567.8	559.6	- -	- -	463.4	96.2	r8.2	- -
1990	r550.6	540.0	- -	- -	447.5	92.5	r10.6	- -
1991	507.2	495.8	- -	- -	413.3	82.5	11.4*	- -

FOOTNOTES FOR BOTH TABLE 7 & TABLE 8:

***FOR 1989 THROUGH 1991, ARTIFICIAL (CELLULOSIC) STAPLE QUANTITIES WERE PRORATED BASED ON 1988 ACTUAL DATA TO AVOID COMPANY DISCLOSURE.**

Most of the above data are taken from the Fiber Economic Bureau's publication ***Manufactured Fiber Handbook.***

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the September 1985 issue.

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TABLE 9:
FIBER CONSUMED IN U.S. INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS INCLUDING FIBER, YARN, FABRIC IMPORTS & WASTE [a]

MILLION POUNDS

END USE & YEAR	TOTAL FIBER	MANUFACTURED FIBERS [b]						COTTON	WOOL
		TOTAL	ARTIFICIAL (CELL.)		SYNTHETIC (NONCELL.)				
			YARN	STAPLE*	YARN	STAPLE			
TOTAL INDUSTRIAL & OTHER CONSUMER									
1987	2805.9	2418.5	22.0	166.6	1185.2	1044.7		374.0	13.4
1988	2806.7	2489.4	21.0	160.0	1238.6	1069.8		305.1	12.2
1989	r2836.3	2503.6	25.6	149.3	1265.8	1062.9		r323.7	9.0
1990	r2978.2	r2634.8	8.2	163.2	1300.0	r1163.4		r333.2	10.2
1991	3075.3	2729.8	7.4	139.5	1243.4	1339.5		333.4	12.1
65 TIRES*									
1987	316.6	313.9	8.1	- -	305.8	- -		2.7	- -
1988	312.5	309.9	5.9	- -	304.0	- -		2.6	- -
1989	r315.6	312.6	6.0	- -	306.6	- -		r3.0	- -
1990	r304.1	300.8	2.8	- -	298.0	- -		r3.3	- -
1991	285.8	282.4	2.5	- -	279.9	- -		3.4	- -
66 HOSE*									
1987	30.2	27.5	9.4	- -	17.2	0.9		2.7	- -
1988	34.0	31.3	8.4	- -	17.7	5.2		2.7	- -
1989	34.7	32.7	7.1	- -	21.9	3.7		2.0	- -
1990	32.4	30.7	2.3	- -	25.0	3.4		1.7	- -
1991	29.6	27.8	2.2	- -	23.2	2.4		1.8	- -
67 BELTING*									
1987	46.7	37.0	2.5	- -	26.6	7.9		9.7	- -
1988	50.4	41.6	1.6	- -	24.3	15.7		8.8	- -
1989	r58.4	48.9	2.2	- -	34.3	12.4		r9.5	- -
1990	r50.8	41.0	- -	- -	32.5	8.5		r9.8	- -
1991	44.8	36.4	- -	- -	29.7	6.7		8.4	- -
61 MEDICAL, SURGICAL & SANITARY*									
1987	454.6	369.1	- -	75.5	102.4	191.2		85.5	- -
1988	451.5	382.1	- -	85.1	117.2	179.8		69.4	- -
1989	r457.5	377.9	c	78.1	120.3	179.5		r79.6	- -
1990	r563.6	477.5	0.9	78.3	191.4	206.9		r86.1	- -
1991	597.9	514.3	1.3	69.1	192.3	251.6		83.6	- -
79b UNALLOCATED NONWOVENS*									
1987	223.6	223.6	- -	50.5	- -	173.1		- -	- -
1988	257.9	257.9	- -	46.7	- -	211.2		- -	- -
1989	265.4	265.4	- -	43.6	- -	221.8		- -	- -
1990	r244.1	r244.1	- -	51.6	- -	r192.5		- -	- -
1991	208.9	208.9	- -	42.6	- -	166.3		- -	- -
79a FIBERFILL, STUFFING & FLOCK*									
1987	403.8	403.8	- -	0.4	- -	403.4		- -	- -
1988	420.1	420.1	- -	1.7	- -	418.4		- -	- -
1989	418.7	418.7	- -	1.6	- -	417.1		- -	- -
1990	r439.8	r439.8	- -	0.9	- -	r438.9		- -	- -
1991	495.7	495.7	- -	0.8	- -	494.9		- -	- -
70 FELTS*									
1987	20.4	7.1	- -	3.2	3.9	8.1		1.0	12.3
1988	17.5	5.4	- -	1.6	3.8	8.9		0.9	11.2
1989	27.1	18.1	- -	1.5	3.2	13.4		1.0	8.0
1990	29.1	18.9	- -	1.2	2.9	14.8		1.1	9.1
1991	42.2	30.2	- -	1.0	2.6	26.6		1.2	10.8
71 FILTRATION*									
1987	34.5	28.3	- -	8.3	3.5	16.5		6.2	- -
1988	33.3	30.4	- -	4.1	3.6	22.7		2.9	- -
1989	r34.1	31.2	- -	3.9	3.2	24.1		r2.9	- -
1990	r31.1	28.3	- -	4.0	3.0	21.3		r2.8	- -
1991	31.7	29.1	- -	2.3	2.3	24.5		2.6	- -

For all lettered and general footnotes to this table and the Apparel, Home Textiles and Floor Covering tables, please see page 186.

TABLE 9:
FIBER CONSUMED IN U.S. INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS INCLUDING FIBER, YARN, FABRIC IMPORTS & WASTE [a] *(CONTINUED)*

MILLION POUNDS

END USE & YEAR	TOTAL FIBER	MANUFACTURED FIBERS [b]						COTTON	WOOL
		TOTAL	ARTIFICIAL (CELL.)		SYNTHETIC (NONCELL.)			
			YARN	STAPLE*	YARN	STAPLE		
73 ROPE, CORDAGE, FISHLINE, ETC*								
1987	192.7	167.9	0.9	0.5	158.0	8.5	24.8	- -
1988	178.8	159.0	0.6	0.1	153.9	4.4	19.8	- -
1989	r196.7	177.1	0.6	0.1	174.1	2.3	r19.6	- -
1990	r203.2	r182.4	- -	- -	175.1	r7.3	r20.8	- -
1991	183.6	163.2	- -	c	150.8	12.4	20.4	- -
72 SEWING THREAD*								
1987	140.2	94.9	0.4	4.1	69.4	21.0	45.3	- -
1988	150.0	113.5	0.3	1.9	91.0	20.3	36.5	- -
1989	r142.3	102.0	0.4	1.8	78.1	21.7	r40.3	- -
1990	r137.9	94.0	0.2	1.5	74.0	18.3	r43.9	- -
1991	143.5	95.1	c	1.3	72.6	21.2	48.4	- -
76 PAPER & TAPE REINFORCING*								
1987	7.0	4.7	0.7	0.7	2.5	0.8	2.3	- -
1988	6.4	4.5	0.4	- -	1.2	2.9	1.9	- -
1989	r6.5	4.3	1.5	- -	0.6	2.2	r2.2	- -
1990	r5.9	3.7	0.6	0.2	0.2	2.7	r2.2	- -
1991	6.4	4.3	0.5	- -	- -	3.8	2.1	- -
69,77 ELECTRICAL & REINFORCED PLASTICS*								
1987	30.4	5.4	c	0.4	4.2	0.8	25.0	- -
1988	31.6	6.6	c	1.3	4.2	1.1	25.0	- -
1989	40.5	15.5	- -	1.2	13.3	1.0	25.0	- -
1990	42.5	17.5	- -	0.9	16.1	0.5	25.0	- -
1991	41.0	16.0	- -	0.8	14.8	0.4	25.0	- -
75 COATED & PROTECTIVE FABRICS*								
1987	182.7	119.5	- -	3.8	57.2	58.5	63.2	- -
1988	157.2	105.7	- -	3.0	56.1	46.6	51.5	- -
1989	r210.0	158.8	- -	2.8	82.0	74.0	r51.2	- -
1990	r215.2	163.9	- -	2.6	73.1	88.2	r51.3	- -
1991	221.1	169.1	- -	2.6	66.6	99.9	52.0	- -
63-64 TRANSPORTATION FABRIC*								
1987	98.7	86.9	- -	0.8	53.5	32.6	11.8	- -
1988	106.7	97.3	- -	7.6	48.2	41.5	9.4	- -
1989	r117.4	107.5	- -	7.2	43.7	56.6	r9.9	- -
1990	r95.3	87.4	- -	5.3	41.9	40.2	r7.9	- -
1991	98.8	90.4	- -	4.6	43.8	42.0	8.4	- -
56c NARROW FABRICS*								
1987	122.3	104.1	- -	- -	104.1	- -	18.2	- -
1988	129.9	112.1	- -	- -	111.4	0.7	17.8	- -
1989	r124.1	105.5	0.1	- -	104.4	1.0	r18.6	- -
1990	r133.7	115.0	- -	- -	111.6	3.4	r18.7	- -
1991	137.0	118.7	- -	- -	114.6	4.1	18.3	- -
74 BAGS & BAGGING*								
1987	62.9	57.6	- -	0.3	54.8	2.5	5.3	- -
1988	62.1	58.3	0.1	0.1	57.6	0.5	3.8	- -
1989	r54.6	50.4	- -	0.1	50.0	0.3	r4.2	- -
1990	r53.1	48.8	- -	0.1	48.4	0.3	r4.3	- -
1991	54.4	50.6	- -	0.1	43.8	6.7	3.8	- -
MISCELLANEOUS INDUSTRIAL & CONSUMER-TYPE PRODUCTS*								
1987	430.5	359.1	- -	18.1	222.1	118.9	70.3	1.1
1988	397.9	344.8	3.7	6.8	244.4	89.9	52.1	1.0
1989	r332.7	277.0	7.7	7.4	230.1	31.8	r54.7	1.0
1990	r396.4	r341.0	1.4	16.6	206.8	r116.2	r54.3	1.1
1991	452.9	397.6	0.9	14.3	206.4	176.0	54.0	1.3

* FOR 1989 THROUGH 1991, ARTIFICIAL (CELLULOSIC) STAPLE QUANTITIES WERE PRORATED BASED ON 1988 ACTUAL DATA TO AVOID COMPANY DISCLOSURE.

Most of the above data are taken from the Fiber Economics Bureau's publication ***Manufactured Fiber Handbook.***

NOTE: Data on Glass Fiber are no longer available due to company disclosure. The series including Glass Fiber was last published in the September 1985 issue.

GENERAL NOTES FOR END USE TABLES
ON PAGES 179-185

Units are in million pounds.

- -- Little, or none, of the fiber is used.
- * When an asterisk appears, there is a footnote at the end of the table.
- a. This letter in the title of each table refers the reader to these notes.
- b. Manufactured fiber end use in these tables is divided between Artificial (Cellulosic), (rayon+acetate fibers) and Synthetic (Noncellulosic), (nylon, polyester, acrylic & olefin fiber). Yarn includes monofilaments and olefin "yarn" also includes film fiber and spunbonded polypropylene. Staple includes tow & fiberfill; see Item 79a, Fiberfill, Stuffing & Flock and its footnote on page 188. Certain waste quantities, which are tabulated with staple, are included; see text on page 175.

  The synthetic (noncellulosic) fibers included in this survey, for one or more years, are the acrylic, modacrylic, nylon, olefin (polyethylene & polypropylene), polyester fibers through 1991. 1987- 1991 exclude vinyon fiber.
- c. Less than 50,000 pounds, i.e., nominal.
- d. The staple data are tabulated in the yarn column.
- e. The yarn data are tabulated in the staple column.
- f. The increase in yarns for floor coverings is due to a more thorough response and not because of increased consumption.
- r. This data shows a significant revision compared with the September 1991 ***Fiber Organon*** data.

As described in the footnotes to Items 54a and 54b, apparel linings, pockets and such are tabulated in Items 54a and 54b and not with the applicable garments.

In the Apparel table, the sex and age classifications used are those of the U.S. Census Bureau. Thus **M** means Men's plus Boys' and **W** means all other persons, i.e., Women's, Misses', Juniors', Girls', Children's & Infants'.

NOTES FOR APPAREL ITEMS
PAGES 180-181

For all lettered and general footnotes to this table, see notes above.

40. **SHEER HOSIERY:**
Includes pantyhose, stockings, body stockings, leotards & tights, sheer knee-highs & anklets and support hose.

19,41. **ANKLETS & SOCKS:**
Include footsocks, anklets, half-hose, over-the-calf hosiery and nonsheer knee-highs for all ages and both sexes. Also includes infants' and children's waist-highs.

8,29. **SWEATERS (MW):**
Knitted sweater shirts, scarves, mufflers, gloves, mittens, caps, etc. Pullover, coat & cardigan types, full-fashioned and cut and sewn. Also note Item 57.

57. **CRAFT & HANDWORK YARNS:**
All yarns for handwork, i.e., knitting, embroidery, crocheting, needlepoint, macramé, crewel and yarn kits for all uses. Does not include sewing thread (Item 72). Olefin yarn for macramé is in Miscellaneous Industrial.

16-18. **UNDERWEAR & NIGHTWEAR (M):**
Undershirts, shorts & briefs, pajamas, nightshirts, sleepcoats, thermal underwear, etc.

35-39. **UNDERWEAR, NIGHTWEAR, BRAS AND FOUNDATIONS:**
Underwear and nightwear component includes full and halfslips, panties, petticoats, pettipants, camisoles, vests, briefs and thermal underwear as well as nightgowns, pajamas, sleepcoats, peignoirs, robes, negligees and bedjackets. Also includes bodywear and all children's and infants' underwear & nightwear. **Excludes** the trim, elastic webbing, apparel lace, braid or narrow fabric used in these products.

The bras and foundations include corsets, girdles, combinations and one-piece garments, garter belts, hose supporters, two-way stretch and surgical & maternity foundation garments.

10,31. **ROBES & LOUNGEWEAR (MW):**
Men's & boys' beach & bathrobes, dressing gowns and smoking jackets, and women's beach & bathrobes and house-breakfast & brunch coats and dressing gowns.

54a. **HIGH PILE FABRICS:**
Include all applications. End uses such as coatings, collars, linings, backings and paint rollers are included. Napped or brushed fabrics such as fleeces, velvets or corduroys are excluded.

54b. **FABRICS FOR LINING:**
All manufactured fiber types except high pile fabrics (Item 54a), lining-type fabrics sold as retail piece goods and the lining components of shoes & slippers and luggage and handbags (Miscellaneous Other Consumer-Type). The apparel lining component of this series include main linings, interlinings, zip-in linings (except pile), pocketing and banding as well as the acetate and nylon tricot for laminating. Cotton drapery linings are not included here but are in Item 52. Also not included are interlinings of haircloth, urethane and nonwoven fabrics.

43. **APPAREL LACE:**
Nets and veilings.

56a. **NARROW FABRICS:** ELASTIC AND NONELASTIC TYPES.
The "narrow woven goods" made by slicing broad woven fabrics are not included. **NARROW FABRIC** quantities for home textiles and industrial uses are shown in those sections.

RETAIL PIECE GOODS:
Are included in Topweight and Bottomweight Fabrics.

TOPWEIGHT FABRICS:
All shirts, blouses, lightweight dress and lightweight fashion fabrics. Fabrics generally weigh 5.0 ounces or less per square yard. Retail piece goods are included.

BOTTOMWEIGHT FABRICS:
Pants, jeans, sportswear, tailored clothing, coats and jackets, career apparel and heavier weight fashion fabrics. Fabrics generally weigh more than 5.0 ounces per square yard. Retail piece goods are included.

OTHER APPAREL:
Men's & women's work gloves and handkerchiefs. Manufactured fiber used for knitted accessories such as scarves, mufflers, gloves, mittens, caps, etc., is in Items 8 & 29.

NOTES FOR HOME TEXTILE ITEMS
PAGES 182-183

For all lettered and general footnotes to this table, see page186.

HOME TEXTILES:

Data cover the use of each item not only in homes, but also in offices, hotels, institutions, etc. For certain transportation uses, note Items 50a, 63 & 64.

None of the quantities tabulated include any cotton stuffing or filling materials in items such as furniture, pillows, mattresses, comforters & quilts, sleeping bags, seat padding, etc. For the manufactured fibers, however, stuffing & fiberfill are tabulated in the Industrial section. Note text on page 175 regarding the inclusion of certain manufactured fiber waste quantities here. Certain felt quantities are in Item 70.

45. **BEDSPREADS:**
Tailored & throw spreads, both tufted & woven, as well as the backing. **QUILTS:** Comforters and their outer shell, quilted pads are in Item 47.

46. **BLANKETS & BLANKETING:**
Woven, knit, needlepunched and flocked full-size and crib blankets and electric blanket shells, as well as the woven acetate or nylon filament yarn bindings thereof. Sizable quantities of rayon, acrylic, nylon & wool waste are included here.

47. **SHEETS:**
Pillowcases. **OTHER BEDDING:** Outside covers of quilted pads; mattress & mattress pads, civilian cots and sleeping bag shells. Mattress felts are in Item 70. The manufactured staple quantities here are mainly polyester for sheets and rayon & polyester for bed ticking. The manufactured filament is chiefly polyester for bed ticking.

48. **TOWELS & TOWELING:**
Woven hand, bath, dish towels, etc. Nonwoven towels, such as "Handi-wipes" and industrial wiping cloths, are in Item 61. The large cotton waste quantity used in these products is not included.

56b. **NARROW FABRICS:**
Only home textiles applications. See the Apparel and Industrial sections for Narrow Fabrics in those applications.

51. **CURTAINS & DRAPERY:**
Lace and other types (principally woven) i.e., cafe, tiered & cottage, ruffled, shortie drapes and tailored. Also includes the backing & headers of drapery fabrics. The cotton data include cotton drapery linings. Shower curtains are in Other Home Textiles.

52. **UPHOLSTERY:**
Furniture slipcovers and vinyl-coated cotton fabrics for upholstery. The olefin & saran webbing for outdoor furnitureis included under Narrow Woven Industrial (Item 56c).

OTHER HOME TEXTILES:
Woven & lace napery, such as tablecloths & napkins, doilies, etc., as well as the cotton in window shades. For the manufactured fibers, it includes insect screening & netting. Wall covering fabric is in Miscellaneous Industrial.

NOTES FOR FLOOR COVERING ITEMS
PAGE 183

For all lettered and general footnotes to this table, see page 186.

50. **CARPETS & RUGS FACE FIBER (TOTAL):**
Sum of 50a & 50b.

50a. **FACE YARNS:**
Tufted, woven, knitted and needlepunched types. Tufted includes broadloom & roll goods, (including carpet tiles) transportation carpet, bath mats, scatter rugs, and "grass". Woven includes carpets such as Axminster, Velvet, Wilton, etc. Knit goods are mainly scatter rugs. Needlepunched are the indoor outdoor carpets. Item 50a does not include braided, hooked or woven twisted paper carpets.

50b. **CARPET BACKING FIBERS:**
The Artificial (Cellulosic) Yarn is industrial rayon used for woven carpet chain warps. The Other Yarn is olefin (monofil+film fiber+spunbonded) and small quantities of nylon & polyester filament yarn. The Other Staple is olefin only. The substantial quantities of jute used as woven primary & secondary carpet backing, as well as the jute yarn used in the warp of woven carpets, are not tabulated in Item 50b. Nor does it include the quantities of wool, hair and jute used in carpet and rug pads and cushions.

NOTES FOR INDUSTRIAL & OTHER CONSUMER -TYPE ITEMS
PAGES 184-185

For all lettered and general footnotes to this table, see page 186.

56c. **NARROW FABRICS:**
Woven labels, industrial webbing, shoelaces, tapes (venetian blinds & industrial), transportation seat belts, auto windlace, channeling & trim, outdoor furniture webs and zipper tapes. These figures exclude transmission & conveyor belting (in Item 67); friction tape and the braided narrow fabric used in electrical applications (in Item 69); and gummed cotton tape (in Item 76).

61. **MEDICAL, SURGICAL & SANITARY:**
Bandages, gauzes, adhesive tapes & plasters, sanitary napkins & tampons, cotton diapers, rayon disposable diapers, surgical gowns and packs. Medical sutures are tabulated in Item 72. Surgical hosiery is in Items 19 & 40. Not included here is cotton waste & linters nor any nontextiles used for filling materials.

63 & 64. **TRANSPORTATION FABRIC:**
Auto seat upholstery & slipcovers, sidewall, headlining and sheeting. The cotton quantities include the knit and woven fabric used as the backing for vinyl sheeting. The item includes convertible auto tops & replacements thereof, as well as upholstery used in other kinds of transportation, such as airplanes, railroad & subway cars, buses, etc. it does not include seat padding, transportation rugs (in Item 50), window channeling (in Item 56c), flocking, tassels, trim, etc.

Notes for Industrial & Other Consumer-Type Items (Continued)

The manufactured fiber used for substrates for automotive fabric is included in Item 75.

65. **TIRES:**

All types, i.e., automobile, truck, tractor, off-road, bicycle, etc. The data include tire cord & tire cord fabric, chafer and other tire components, i.e., flippers, liners, bead wrap & breaker strips.

The data include imports of tire yarn, cord & fabric and also cover any quantities subsequently exported in cord or fabric form.

The consumption of steel tire cord for the years 1987-1990 inclusive is estimated as follows: 349.0, 393.0, 441.2 & 421.6. However, these quantities are **not included** in Item 65.

66. **HOSE:**

Includes wrapped, knitted, braided and woven products. Does not include braided vacuum cleaner hose.

67. **BELTING:**

Includes flat conveyor & transmission belts (both rubber and nonrubber, and mechanical rubber goods).

69 & 77. **ELECTRICAL APPLICATIONS & REINFORCED PLASTICS:**

The cotton quantities are estimated.

Electrical Applications: Electric wire insulation & covering of all kinds plus friction tape and cable wrap, stuffing & identification. The total fiber consumed does not reflect the increased use of plastic and other nonfibrous coatings, of course.

Reinforced Plastics: High-and low-pressure laminates used in the manufacture of construction materials (corrugated & flat sheet, plumbing accessories, etc.), process equipment (tanks & containers, pipes, ducts, etc.), transportation uses (aircraft, autos, trucks, etc.) and marine, missiles, molded electrical parts, housing, seating, trays, etc. Flexible laminates of cotton are tabulated by end use, e.g., vinyl-supported upholstery fabric in Item 63, etc.

70. **FELTS:**

Wet & dry papermakers' felts, mattress felts and cushioning & wicking felts. Apparel felts (e.g., for shirts) are classified by apparel products. Patio and similar "felts" are in Item 50a. Laundry press pads and flatwork ironer pads are in Miscellaneous Industrial. The wool quantity includes some felts used in filtration (recorded here and not in Item 71), but excludes the substantial amounts used in pressed felts.

71. **FILTRATION:**

Woven and nonwoven filters for wet & dry filtration, including tea bags. The small wool quantity used in the copper refining industry is included in Item 70.

The fiber used in cigarette filtration is **not included** in this end use or in the Industrial Uses totals.

72. **SEWING THREAD:**

Home sewing and industrial & weight goods, as well as medical sutures.

73. **ROPE** (Braided & twisted), **CORDAGE** (under 3/16"), **FISHLINE, ETC:**

Includes hawsers, baler or harvest twine, clothesline, tying twine, etc., as well as fishnets, seines & netting twine.

74. **BAGS & BAGGING:**

Manufactured Other Yarn is nylon mailbags plus olefin leno mesh & close-woven bags, including sandbags; also includes olefin bagging for wool bales. Carpet backing bale wrap is in Other Industrial.

75. **COATED & PROTECTIVE FABRICS:**

For the manufactured fibers, tents & tarpaulins, as well as the substrates for vinyl, rubber or urethane coating, lamination or impregnation. Examples of specific end uses covered include parachutes, deceleration chutes & tow targets, awnings, beach, garden & tractor umbrellas, inflatable dunnage & cushions, air-supported structures & automotive air-spring diaphragms and boat & pool covers.

The cotton quantities include awnings, boat covers, tarpaulins and tents. **Not included** here are the cotton quanities used for vinyl substrates; such quantities are tabulated with their appropriate end use, i.e., transportation upholstery (Items 63 & 64), upholstery (Item 52), etc. Manufactured fiber surfaces for recreational fields are not included in this survey.

76. **PAPER & TAPE REINFORCING:**

Gummed and pressure-sensitive tape, as well as nonwoven bonded structures for paper, tape and ribbon reinforcing.

79a. **FIBERFILL, STUFFING & FLOCK:**

All applications (apparel, home textiles & industrial). Both graded fiber and waste are included. The consumption of polyester staple & tow in fiberfill for the years 1987-1991 inclusive were: 348.6, 357.2, 349.5, 376.3 & 429.5. For the same years, use of polyester waste for stuffing and filling materials were: 45.3, 50.1, 56.2, 51.1 & 56.5.

79b. **UNALLOCATED NONWOVENS:**

All nonwoven quantities remaining after the identifiable nonwoven end uses, such as medical, surgical & sanitary, filtration, coated & protective fabrics, and paper & tape reinforcing, have been calculated.

MISCELLANEOUS INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS:

The cotton for abrasives, book binding, luggage & handbags, shoes & slippers, tobacco cloth, woven wiping cloths and wall-covering fabrics. For rayon, it includes asbestos carrier fiber, laundry supplies and mop yarns. For olefin yarn, it includes agricultural cloth, bale wrap, cable binding, civil engineering fabrics and macramé and other craft yarns.

TABLE 10:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN
THOUSAND POUNDS

ITEMS & COUNTRY	1992												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	157	66	48	15	40	40	1						367	512
BELGIUM	100	0	98	64	280	125	107						774	103
BRAZIL	54	105	79	78	78	132	319						845	460
CANADA	1201	1053	1475	1499	1292	1156	1594						9270	5485
FRANCE	2	11	5	9	7	2	2						38	15
GERMANY	736	951	412	531	479	350	496						3955	3690
JAPAN	176	77	161	210	132	161	251						1168	905
MEXICO	107	70	105	105	75	65	54						581	627
NETHERLANDS	254	262	157	145	198	72	205						1293	1545
UNITED KINGDOM	383	297	416	325	394	382	45						2242	451
ALL OTHER COUNTRIES	6	0	15	24	5	7	29						86[a]	568
TOTAL ARTIFICIAL YARN	**3176**	**2892**	**2971**	**3005**	**2980**	**2492**	**3103**						**20619**	**14361**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	1567	1396	1473	1104	1319	1325	820						9004	8839
CANADA	4675	4144	4333	4376	4540	4013	2663						28744	20234
FINLAND	424	744	473	855	1753	373	352						4974	2137
GERMANY	41	38	0	64	38	7	71						259	823
JAPAN	85	25	68	69	21	15	67						350	767
SWEDEN	112	106	223	77	70	111	195						894	656
TAIWAN	220	0	287	441	954	616	441						2959	9245
THAILAND	189	189	186	134	99	49	49						895	3572
UNITED KINGDOM	702	322	456	425	75	45	479						2504	2277
YUGOSLAVIA	298	0	128	256	42	256	0						980	4857
ALL OTHER COUNTRIES	371	435	498	141	3	67	164						1679[b]	2228
TOTAL ARTIFICIAL STAPLE+TOW	**8684**	**7399**	**8125**	**7942**	**8914**	**6877**	**5301**						**53242**	**55635**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	3	39	31	34	46	94	293						540	645
CANADA	4980	3882	3597	6272	5820	5154	5588						35293	30116
COSTA RICA	485	465	393	754	583	679	707						4066	3846
FRANCE	1128	435	656	570	771	935	684						5179	5465
GERMANY	1433	2244	1807	2114	1831	2407	2532						14368	12552
IRELAND	78	105	334	167	148	162	139						1133	1122
ISRAEL	294	338	210	191	334	277	303						1947	918
ITALY	209	113	119	90	170	204	243						1148	546
JAPAN	1687	1635	1595	1419	1574	1478	1727						11115	8029
KOREA, REP. OF	179	58	159	161	198	197	113						1065	640
MEXICO	1047	1554	1449	1474	1409	1612	1740						10285	9572
NETHERLANDS	412	362	667	279	512	254	606						3092	2174
SOUTH AFRICA	543	331	475	360	571	790	1283						4353	0
SPAIN	20	184	81	40	62	80	26						493	0
SWITZERLAND	49	48	161	49	88	11	8						414	82
TAIWAN	680	547	37	132	230	383	381						2390	847
THAILAND	107	79	109	94	126	100	95						710	561
TURKEY	16	26	34	43	57	94	30						300	750
UNITED KINGDOM	2218	2464	3076	2480	1882	1962	2665						16747	13294
ALL OTHER COUNTRIES	199	289	60	302	157	1034	1261						3302[c]	1459
TOTAL SYNTHETIC YARN	**15767**	**15198**	**15050**	**17025**	**16569**	**17907**	**20424**						**117940**	**92618**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRALIA	31	24	50	33	81	25	44						288	414
AUSTRIA	22	13	12	23	10	1	15						96	73
CANADA	3647	4089	5469	3288	3744	4478	3609						28324	12511
FRANCE	551	409	401	558	218	508	311						2956	2840
GERMANY	1983	2109	2302	2839	1786	3247	1284						15550	11540
INDIA	93	47	262	1078	67	22	4						1573	9135
IRELAND	468	43	427	258	274	397	560						2427	1345
ITALY	291	56	28	127	232	470	204						1408	618
JAPAN	2184	3017	2863	3040	2902	2483	2633						19122	15220
KOREA, REP. OF	7466	4228	9395	10932	9026	8618	11039						60704	43886
MEXICO	1981	1579	1690	2413	2790	3269	2072						15794	14154
SPAIN	62	64	104	209	162	60	53						714	246
SWITZERLAND	364	144	234	416	242	512	310						2222	1591
TAIWAN	4520	5903	5818	6736	5351	6245	5975						40548	19543
TURKEY	127	240	491	40	130	302	608						1938	329
UNITED KINGDOM	1444	1677	1439	1742	1713	1361	1928						11304	9276
ALL OTHER COUNTRIES	284	80	81	556	169	36	135						1341[d]	2177
TOTAL SYNTHETIC STAPLE+TOW	**25518**	**23722**	**31066**	**34288**	**28897**	**32034**	**30784**						**206309**	**144898**

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[a] Korea, Rep. of 44, Italy 21, India 13, Taiwan 3, Uruguay 3, China, PRC 1, Thailand 1.

[b] Spain 707, Brazil 571, Poland 88, Belgium 80, China, PRC 66, Czechoslovakia 60, France 45, C.I.S. 39, India 20, Italy 3.

[c] India 2097, Australia 291, Egypt 247, Portugal 180, Brazil 91, Austria 86, Czechoslovakia 59, Denmark 55, Honduras 50, Hong Kong 32, Sweden 25, Romania 22, Poland 21, C.I.S. 18, Yugoslavia 17, China, PRC 4, Colombia 3, Greece 3, Argentina 1.

[d] China, PRC 443, Israel 196, Malaysia 176, Hong Kong 78, Brazil 75, Romania 65, Denmark 63, Belgium 56, Hungary 50, South Africa 46, Colombia 41, Czechoslovakia 31, C.I.S. 15, Netherlands 5, Sweden 1.

TABLE 11:
U.S. MANUFACTURED FIBER IMPORTS[a]
THOUSAND POUNDS

	1992												YEAR TO DATE	
ITEM	**JAN**	**FEB**	**MAR**	**APR**	**MAY**	**JUN**	**JUL**	**AUG**	**SEP**	**OCT**	**NOV**	**DEC**	**1992**	**1991**
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	528	848	202	342	334	265	329						2848	1359
TEXTURED	0	0	13	0	0	1	0						14	5
OTHER	2637	2044	2756	2662	2644	2226	2772						17741	12985
MONOFILAMENTS & STRIPS	11	0	0	1	2	0	2						16	12
SUBTOTAL ABOVE	**3176**	**2892**	**2971**	**3005**	**2980**	**2492**	**3103**						**20619**	**14361**
STAPLE	8581	7288	7938	7753	8799	6719	5066						52144	54732
TOW	103	111	187	189	114	153	234						1091	903
TOPS	0	0	0	0	1	5	1						7	0
SUBTOTAL ABOVE	**8684**	**7399**	**8125**	**7942**	**8914**	**6877**	**5301**						**53242**	**55635**
WASTE	**0**	**46**	**47**	**34**	**0**	**22**	**22**						**171**	**1684**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	913	980	950	1250	1113	689	1003						6898	12933
TEXTURED														
UP TO 450 DENIER	411	517	424	475	644	581	682						3734	2380
OVER 450 DENIER	3249	1978	1764	3385	3059	3661	3646						20742	15937
POY	2498	3305	3987	3361	3080	3013	3643						23087	17081
OTHER	2245	1850	1791	2394	2497	2330	2442						15549	10019
MONOFILAMENTS & STRIPS	172	165	112	183	188	159	195						1174	846
SUBTOTAL ABOVE	**9488**	**8795**	**9028**	**11248**	**10581**	**10433**	**11611**						**71184**	**59196**
POLYESTER														
HIGH TENACITY	1142	1602	1593	1524	1642	1501	2116						11120	4115
TEXTURED	630	854	835	1106	677	734	635						5471	4306
POY	728	634	302	621	476	1655	2041						6457	1770
OTHER	1229	1433	1192	885	946	1758	1580						9023	10500
MONOFILAMENTS & STRIPS	38	75	29	38	100	114	332						726	415
SUBTOTAL ABOVE	**3767**	**4598**	**3951**	**4174**	**3841**	**5762**	**6704**						**32797**	**21106**
OTHER SYNTHETIC FILAMENT														
TEXTURED	212	93	72	119	203	93	121						913	1095
OTHER	1496	1096	1231	965	1367	1076	1432						8663	7418
MONOFILAMENTS & STRIPS	804	616	768	519	577	543	556						4383	3803
SUBTOTAL ABOVE	**2512**	**1805**	**2071**	**1603**	**2147**	**1712**	**2109**						**13959**	**12316**
STAPLE														
NYLON	2554	2136	3403	2803	2386	2952	2783						19017	14567
POLYESTER	17422	15430	20302	24558	20654	22705	22084						143155	98852
ACRYLIC	1607	1450	2326	2048	1152	1970	1514						12067	8338
POLYPROPYLENE	168	77	268	340	183	141	178						1355	2786
OTHER	265	320	258	182	713	519	322						2579	1876
TOW														
NYLON	701	503	688	883	460	583	438						4256	3182
POLYESTER	35	78	122	0	56	92	307						690	680
ACRYLIC	2009	2686	2324	2657	2309	1693	2058						15736	13806
OTHER	0	39	22	0	55	81	13						210	85
TOPS	757	1003	1353	817	929	1298	1087						7244	726
SUBTOTAL ABOVE	**25518**	**23722**	**31066**	**34288**	**28897**	**32034**	**30784**						**206309**	**144898**
WASTE														
NYLON	791	1083	1481	1594	1750	1285	2042						10026	11577
POLYESTER	1022	1149	1194	679	872	1128	1213						7257	7670
OTHER	606	633	681	946	793	726	704						5089	3696
TOTAL MANUFACTURED FIBERS ABOVE	**55564**	**52122**	**60615**	**65513**	**60775**	**62471**	**63593**						**420653**	**332139**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	251	136	213	153	191	196	106						1246	899
SPUN YARN	318	277	317	643	706	607	871						3739	3884
SPUN YARNS														
SYNTHETIC	922	559	702	621	1075	846	700						5425	4510
ARTIFICIAL	0	0	0	0	0	0	0						0	0
PUT UP FOR RETAIL SALE	48	28	20	41	33	68	49						287	436
GRAND TOTAL ABOVE	**57103**	**53122**	**61867**	**66971**	**62780**	**64188**	**65319**						**431350**	**341868**

SOURCE: U.S. Census Bureau Report IM145X.

a. U.S. General Imports.

TABLE 12:
U.S. MANUFACTURED FIBER EXPORTS
THOUSAND POUNDS

	1992												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	13	1	1	0	22	33	15						85	974
TEXTURED	7	61	13	37	29	9	31						187	617
OTHER	247	176	191	228	36	21	136						1035	970
MONOFILAMENTS & STRIPS	19	42	100	47	37	56	34						335	103
SUBTOTAL ABOVE	**286**	**280**	**305**	**312**	**124**	**119**	**216**						**1642**	**2664**
STAPLE	1371	1087	1047	1643	1194	928	467						7737	8683
TOPS	1910	479	218	19	0	0	0						2626	333
SUBTOTAL ABOVE	**3281**	**1566**	**1265**	**1662**	**1194**	**928**	**467**						**10363**	**9016**
WASTE	**229**	**656**	**528**	**574**	**1345**	**600**	**400**						**4332**	**4992**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	4619	5521	5465	5135	5160	2995	2991						31886	54357
TEXTURED														
UP TO 450 DENIER	923	786	816	634	636	991	683						5469	8196
OVER 450 DENIER	6214	4125	4665	3499	3595	2975	3029						28102	26230
POY	52	80	198	144	209	184	131						998	311
OTHER	3119	3582	3893	2738	3030	3424	2506						22292	22800
MONOFILAMENTS & STRIPS	29	32	29	128	157	76	168						619	232
SUBTOTAL ABOVE	**14956**	**14126**	**15066**	**12278**	**12787**	**10645**	**9508**						**89366**	**112126**
POLYESTER														
HIGH TENACITY	4556	3556	4228	3783	3372	3774	2402						25671	41462
TEXTURED	5546	6616	8101	7258	6149	6556	3502						43728	37496
POY	884	1205	1232	1411	1650	1454	646						8482	9095
OTHER	629	768	745	612	708	577	704						4743	15618
MONOFILAMENTS & STRIPS	113	95	99	337	391	103	131						1269	1680
SUBTOTAL ABOVE	**11728**	**12240**	**14405**	**13401**	**12270**	**12464**	**7385**						**83893**	**105351**
OTHER SYNTHETIC FILAMENT														
TEXTURED	596	338	407	281	479	458	366						2925	3778
OTHER	1569	1395	2521	2129	2517	2368	2202						14701	15216
MONOFILAMENTS & STRIPS	967	954	1275	1495	1365	1311	1043						8410	7922
SUBTOTAL ABOVE	**3132**	**2687**	**4203**	**3905**	**4361**	**4137**	**3611**						**26036**	**26916**
STAPLE														
NYLON	2465	2456	2976	2523	3131	2436	2436						18423	14723
POLYESTER	7763	8890	7719	7642	7420	9493	7258						56185	61712
ACRYLIC	1251	1310	1982	2654	2524	3457	1799						14977	17996
POLYPROPYLENE	3041	3740	5748	3109	5461	4986	4765						30850	17857
OTHER	454	266	323	262	394	326	317						2342	8694
TOW														
NYLON	340	361	359	315	282	219	337						2213	1051
POLYESTER	108	7	43	40	30	79	57						364	291
ACRYLIC	556	557	630	428	2448	732	2237						7588	5546
OTHER	1	16	4	1	4	4	28						58	427
TOPS	9392	6332	3304	3984	2317	2380	2321						30030	47563
SUBTOTAL ABOVE	**25371**	**23935**	**23088**	**20958**	**24011**	**24112**	**21555**						**163030**	**175860**
WASTE														
NYLON	2800	2293	1940	2183	1831	2199	1369						14615	18967
POLYESTER	3787	4239	4659	2716	3509	4992	3831						27733	24318
OTHER	6168	5955	5627	5193	6637	4921	4496						38997	47993
TOTAL MANUFACTURED FIBERS ABOVE	**71738**	**67977**	**71086**	**63182**	**68069**	**65117**	**52838**						**460007**	**528203**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	610	560	819	455	571	1041	893						4949	6638
SPUN YARN	278	1332	635	3130	2646	1257	2644						11922	1491
SPUN YARNS														
SYNTHETIC	2140	1933	2542	1301	1799	1385	1434						12534	10011
ARTIFICIAL	526	355	508	312	579	314	268						2862	1848
PUT UP FOR RETAIL SALE	2727	2230	3082	2318	2707	817	698						14579	17203
GRAND TOTAL ABOVE	**78019**	**74387**	**78672**	**70698**	**78371**	**69931**	**58775**						**506853**	**565394**

SOURCE: U.S. Census Bureau Report EM522.

TABLE 13:
SELECTED U.S. MONTHLY FIBER DATA
MILLION POUNDS

ITEM	1992												YEAR TO DATE[a]	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
	MANUFACTURED FIBER TOTAL SHIPMENTS [b c]													
ARTIFICIAL (CELLULOSIC)														
YARN	16.8	17.9	17.4	21.9	18.3	19.0	19.5	16.7					147.5	139.8
RAYON STAPLE	23.0	21.0	22.7	19.8	23.9	20.3	23.2	24.3					178.2	177.3
TOTAL ARTIFICIAL (CELLULOSIC)	**39.8**	**38.9**	**40.1**	**41.7**	**42.2**	**39.3**	**42.7**	**41.0**					**325.7**	**317.1**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	25.2	23.2	28.8	27.7	26.2	25.1	25.1	23.4					204.7	213.0
- CARPET	82.4	77.9	86.2	92.5	86.5	80.2	85.6	83.6					674.9	611.8
- TEXTILE[f]	33.9	29.2	31.8	30.4	31.1	30.2	31.1	31.8					249.5	251.7
POLYESTER - INDUSTRIAL[d]	30.6	28.9	31.6	34.9	30.5	31.5	29.6	31.3					248.9	221.2
- TEXTILE[f]	71.2	67.8	77.1	81.2	74.1	76.2	71.8	75.9					595.3	562.8
OLEFIN[e]	110.0	115.3	121.6	131.3	132.1	129.7	125.7	130.0					995.7	918.5
TOTAL YARN	**353.3**	**342.3**	**377.1**	**398.0**	**380.5**	**372.9**	**368.9**	**376.0**					**2969.0**	**2779.0**
STAPLE+TOW+FIBERFILL														
NYLON	70.8	63.5	79.3	85.3	77.6	75.0	76.8	74.6					602.9	572.5
ACRYLIC+MODACRYLIC	35.1	33.5	39.5	39.5	38.2	36.2	35.8	36.9					294.7	293.6
POLYESTER	195.1	186.8	203.1	208.7	177.5	179.5	198.2	189.9					1538.8	1431.2
OLEFIN	36.0	38.4	39.4	38.7	37.9	36.4	38.0	40.3					305.1	299.0
TOTAL STAPLE	**337.0**	**322.2**	**361.3**	**372.2**	**331.2**	**327.1**	**348.8**	**341.7**					**2741.5**	**2596.3**
TOTAL SYNTHETIC (NONCELLULOSIC)	**690.3**	**664.5**	**738.4**	**770.2**	**711.7**	**700.0**	**717.7**	**717.7**					**5710.5**	**5375.3**
TOTAL MANUFACTURED FIBER	**730.1**	**703.4**	**778.5**	**811.9**	**753.9**	**739.3**	**760.4**	**758.7**					**6036.2**	**5692.4**
	MANUFACTURED FIBER END-OF-MONTH STOCK													
ARTIFICIAL (CELLULOSIC)														
YARN	11.3	11.2	10.9	11.5	12.4	12.2	13.1	13.4					13.4	9.4
RAYON STAPLE	25.6	25.7	26.9	30.7	30.4	33.4	32.7	30.6					30.6	24.8
TOTAL ARTIFICIAL (CELLULOSIC)	**36.9**	**36.9**	**37.8**	**42.2**	**42.8**	**45.6**	**45.8**	**44.0**					**44.0**	**34.2**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	30.7	29.6	24.5	22.8	22.5	23.3	23.1	24.0					24.0	29.7
- CARPET	82.8	81.3	79.0	71.7	69.1	71.8	75.3	80.4					80.4	52.1
- TEXTILE[f]	43.4	48.6	52.7	50.0	48.8	48.5	47.4	44.7					44.7	49.5
POLYESTER - INDUSTRIAL[d]	34.7	35.8	34.7	33.7	34.6	34.0	26.5	27.8					27.8	38.1
- TEXTILE[f]	98.0	98.7	94.1	77.6	77.9	82.5	89.3	88.0					88.0	86.1
OLEFIN[e]	58.8	59.5	57.4	54.3	50.7	49.7	50.4	49.4					49.4	53.7
TOTAL YARN	**348.4**	**353.5**	**342.4**	**310.1**	**303.6**	**309.8**	**312.0**	**314.3**					**314.3**	**309.2**
STAPLE+TOW+FIBERFILL														
NYLON	64.0	63.5	56.5	51.0	55.1	61.3	60.7	64.3					64.3	57.3
ACRYLIC+MODACRYLIC	82.3	83.1	79.7	75.2	74.2	75.3	76.5	77.9					77.9	79.3
POLYESTER	144.3	147.3	146.9	139.2	137.1	156.6	167.7	151.5					151.5	164.7
OLEFIN	33.6	35.3	38.1	41.4	43.1	43.0	41.1	40.5					40.5	26.0
TOTAL STAPLE	**324.2**	**329.2**	**321.2**	**306.8**	**309.5**	**336.2**	**346.0**	**334.2**					**334.2**	**327.3**
TOTAL SYNTHETIC (NONCELLULOSIC)	**672.6**	**682.7**	**663.6**	**616.9**	**613.1**	**646.0**	**658.0**	**648.5**					**648.5**	**636.5**
TOTAL MANUFACTURED FIBER	**709.5**	**719.6**	**701.4**	**659.1**	**655.9**	**691.6**	**703.8**	**692.5**					**692.5**	**670.7**
	COTTON CONSUMPTION													
RAW COTTON	369.5	383.0	496.0	376.9	394.5	405.8	341.4						2767.1	NA
	WOOL CONSUMPTION [g]													
		1ST QUARTER			2ND QUARTER			3RD QUARTER			4TH QUARTER			
APPAREL CLASS WOOL		39.0			38.5								77.5	72.7
CARPET CLASS WOOL		4.6			4.3								8.9	6.2
TOTAL RAW WOOL		**43.6**			**42.8**								**86.4**	**78.9**

NA - Not Available

- **a.** "Year to date" totals for stock, are the latest month's figures.
- **b.** The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.
- **c.** Producers' total domestic shipments plus export shipments.
- **d.** Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.
- **e.** Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.
- **f.** Includes low denier industrial yarn.
- **g.** **Wool data available on a quarterly basis only.**

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FIBER ORGANON

A publication of *Fiber Economics Bureau, Inc.* Volume 63, No. 10 October 1992

Highlights

- Canadian Manufactured Fiber Import/Export Review...begins on page 195.
- Mexican Manufactured Fiber Import/Export Review...begins on page 202.
- U.S. Manufactured Fiber Import/Export Review...begins on page 212.
- U.S. Quarterly Manufactured Fiber Data... see pages 216 - 217.

SHIPMENTS:

In September, total manufactured fiber shipments reached 773 million pounds, 1% above the 763 million pounds shipped in August and 2% above the 762 million pounds shipped in September 1991.

September shipments of synthetic (noncellulosic) filament yarn rose 2% to 385 million pounds and staple+tow rose 1% to 347 million pounds.

Contributing to the increase in shipments over the previous month were nylon staple+tow up 13% or 10 million pounds, nylon industrial yarn up 6% or 2 million pounds, and olefin staple+tow up 2 million pounds or 5%.

Year-to-date domestic shipments of manufactured fiber are up 7% and exports are down 14%.

TABLE 1:
TOTAL U.S. MANUFACTURED FIBER SHIPMENTS: SEPTEMBER 1992
MILLION POUNDS & *PERCENT CHANGE*

ITEM	1992 SEP	1992 AUG	% CHG 9/92-8/92	1991 SEP	% CHG 9/92-9/91	YEAR TO DATE 1992	YEAR TO DATE 1991	% CHG YTD 1992-1991
ARTIFICIAL (CELLULOSIC)								
YARN+MONOFILAMENTS	17.6	16.7	*+5.4*	17.7	*-0.6*	165.1	157.5	*+4.8*
RAYON STAPLE+TOW	24.5	24.3	*+0.8*	22.1	*+10.9*	202.7	199.4	*+1.7*
TOTAL ARTIFICIAL (CELL.)	**42.1**	**41.0**	***+2.7***	**39.8**	***+5.8***	**367.8**	**356.9**	***+3.1***
SYNTHETIC (NONCELL.)								
YARN+MONOFILAMENTS								
NYLON - INDUSTRIAL	24.7	23.4	*+5.6*	26.3	*-6.1*	229.4	239.3	*-4.1*
- CARPET	84.9	83.6	*+1.6*	90.9	*-6.6*	759.8	702.7	*+8.1*
- TEXTILE [a]	33.0	31.8	*+3.8*	32.6	*+1.2*	282.5	284.3	*-0.6*
POLYESTER - INDUSTRIAL	32.0	31.3	*+2.2*	26.9	*+19.0*	280.9	248.1	*+13.2*
- TEXTILE [a]	77.1	75.9	*+1.6*	72.5	*+6.3*	672.4	635.3	*+5.8*
OLEFIN	132.9	132.7	*+0.2*	126.6	*+5.0*	1133.1	1045.1	*+8.4*
TOTAL YARN+MONOFILAMENTS	**384.6**	**378.7**	***+1.6***	**375.8**	***+2.3***	**3358.1**	**3154.8**	***+6.4***
STAPLE+TOW+FIBERFILL								
NYLON	84.2	74.6	*+12.9*	79.9	*+5.4*	687.1	652.4	*+5.3*
ACRYLIC+MODACRYLIC	35.0	36.9	*-5.1*	37.0	*-5.4*	329.7	330.6	*-0.3*
POLYESTER	184.9	191.5	*-3.4*	190.5	*-2.9*	1725.3	1621.7	*+6.4*
OLEFIN	42.4	40.3	*+5.2*	38.5	*+10.1*	347.5	337.5	*+3.0*
TOTAL STAPLE+TOW+FIBERFILL	**346.5**	**343.3**	***+0.9***	**345.9**	***+0.2***	**3089.6**	**2942.2**	***+5.0***
TOTAL SYNTHETIC (NONCELL.)	**731.1**	**722.0**	***+1.3***	**721.7**	***+1.3***	**6447.7**	**6097.0**	***+5.8***
TOTAL MANUFACTURED FIBER	**773.2**	**763.0**	***+1.3***	**761.5**	***+1.5***	**6815.5**	**6453.9**	***+5.6***
TOTAL SHIPMENTS DIVIDED AS -								
DOMESTIC SHIPMENTS [b]	734.7	730.7	*+0.5*	719.0	*+2.2*	6486.3	6069.6	*+6.9*
EXPORTS [c]	38.5	32.3	*+19.2*	42.5	*-9.4*	329.2	384.3	*-14.3*

a. Includes low denier industrial yarn.
b. Includes olefin exports.
c. Excludes olefin exports.

Fiber Organon

A Monthly Review

October 1992

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TABLE 2:
SELECTED CANADIAN MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN: 1989 TO 1992
THOUSAND POUNDS

	1989	1990	1991	6 MOS. 1992
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS				
BELGIUM	154	6	0	0
BRAZIL	179	171	117	60
CHINA, PRC	0	27	186	80
GERMANY	608	281	325	360
JAPAN	228	333	152	38
KOREA, REP. OF	104	4	9	1
MEXICO	107	163	89	40
NETHERLANDS	505	278	141	70
UNITED KINGDOM	253	169	69	62
U.S.A.	1288	903	731	286
OTHER COUNTRIES	52 a	20 a	22 a	21 a
TOTAL ARTIFICIAL YARN, MONOFIL & STRIPS	**3478**	**2355**	**1841**	**1018**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS				
AUSTRIA	3	83	34	2
UNITED KINGDOM	260	0	174	7
U.S.A.	2683	2216	3062	1338
OTHER COUNTRIES	259 b	7 b	54 b	249 b
TOTAL ARTIFICIAL STAPLE+TOW+TOPS	**3205**	**2306**	**3324**	**1596**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS				
AUSTRIA	259	82	238	179
BELGIUM	1741	338	0	0
COSTA RICA	877	546	685	344
CZECHOSLOVAKIA	127	229	0	0
FRANCE	780	674	727	566
GERMANY	2377	1796	1623	943
IRELAND	363	255	688	284
ISRAEL	1528	1187	1173	476
ITALY	3890	2811	832	201
JAPAN	1027	1577	95	78
KOREA, REP. OF	3231	2223	1782	941
MEXICO	12451	10241	8313	3287
NETHERLANDS	3150	611	314	187
ROMANIA	309	270	171	111
SWITZERLAND	1527	739	302	423
TAIWAN	2634	197	132	135
THAILAND	129	46	216	215
TURKEY	238	110	216	245
UNITED KINGDOM	6957	5630	3874	1822
U.S.A.	74532	70713	79651	41986
OTHER COUNTRIES	439 c	259 c	543 c	242 c
TOTAL SYNTHETIC YARN, MONOFIL & STRIPS	**118566**	**100534**	**101575**	**52665**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS				
FRANCE	204	162	174	145
GERMANY	1032	601	949	206
INDIA	408	419	200	0
IRELAND	2295	1344	834	422
ITALY	494	316	168	92
JAPAN	536	606	897	731
KOREA, REP. OF	206	1480	1998	814
NETHERLANDS	57	186	131	90
ROMANIA	3102	1958	410	285
SPAIN	647	355	27	7
SWITZERLAND	180	450	292	296
TAIWAN	1915	3470	4445	2659
UNITED KINGDOM	2158	2767	3066	2351
U.S.A.	62557	57245	61069	28611
OTHER COUNTRIES	1272 d	210 d	225 d	76 d
TOTAL SYNTHETIC STAPLE+TOW+TOPS	**77063**	**71569**	**74885**	**36785**

SOURCE: Statistics Canada

The 1989 to 1992 To Date total for Other Countries consists of the following:

a. **For 1989:** Italy 21, France 20, Austria 11.
   For 1990: Italy 12, France 8.
   For 1991: Austria 16, France 3, Italy 3.
   For 1992: Austria 16, Italy 3, France 2.
b. **For 1989:** Germany 181, France 52, Japan 25, Italy 1.
   For 1990: Japan 7.
   For 1991: Switzerland 27, Italy 17, Belgium 10.
   For 1992: Sweden 140, Brazil 73, Switzerland 27, Japan 9.
c. **For 1989:** Indonesia 71, Portugal 51, Malaysia 50, Spain 49, Hong Kong 35, China, PRC 32, Singapore 32, Argentina 31, New Caledonia 25, Nicaragua 25, Brazil 17, Sweden 9.
   For 1990: Portugal 55, Brazil 38, Indonesia 38, South Africa 29, Spain 29, Australia 24, China, PRC 19, Peru 10, Hong Kong 9
   For 1991: South Africa 137, Indonesia 134, Portugal 67, Greece 48, Cyprus 30, China, PRC 23, Brazil 17, Australia 14, Hong Kong 9, Spain 3.
   For 1992: South Africa 109, Cyprus 56, Singapore 33, Portugal 20, Hong Kong 15, Brazil 9.
d. **For 1989:** U.S. Virgin Islands 1047, Brazil 86, C.I.S. 42, Austria 38, Czechoslovakia 30, Portugal 28, Belgium 1.
   For 1990: China, PRC 53, Mexico 46, Portugal 36, Austria 34, Brazil 3.
   For 1991: Mexico 133, Brazil 61, Austria 27, C.I.S. 2, Sweden 2.
   For 1992: Mexico 44, Austria 14, Sweden 11, Brazil 7.

TABLE 3:
CANADIAN MANUFACTURED FIBER IMPORTS: 1989 TO 1992

ITEM	THOUSAND POUNDS				THOUSAND DOLLARS			
	1989	1990	1991	6 MOS. 1992	1989	1990	1991	6 MOS. 1992
ARTIFICIAL (CELLULOSIC) FIBER								
FILAMENT YARN								
HIGH TENACITY	88	54	50	65	329	156	178	164
TEXTURED	58	35	77	0	172	121	161	2
OTHER	3326	2264	1709	952	8012	6407	5010	2691
MONOFILAMENTS & STRIPS	6	2	5	1	24	11	15	2
SUBTOTAL ABOVE	**3478**	**2355**	**1841**	**1018**	**8537**	**6695**	**5364**	**2859**
STAPLE	1158	825	1551	556	1052	951	1757	567
TOW	2014	1386	1767	1038	2681	2042	2612	1897
TOPS	33	95	6	2	53	224	3	4
SUBTOTAL ABOVE	**3205**	**2306**	**3324**	**1596**	**3786**	**3217**	**4372**	**2468**
WASTE	**625**	**990**	**1423**	**1440**	**304**	**339**	**649**	**471**
SYNTHETIC (NONCELLULOSIC) FIBERS								
FILAMENT YARN								
NYLON								
HIGH TENACITY	3699	3873	3935	1243	11752	13602	12027	4334
TEXTURED								
UP TO 450 DENIER	8563	8397	8292	3729	28486	31578	30445	13498
OVER 450 DENIER	22066	17134	12496	8452	39845	31166	25363	16380
OTHER	13450	13979	19259	9088	28432	30743	39342	19951
SUBTOTAL ABOVE	**47778**	**43383**	**43982**	**22512**	**108515**	**107089**	**107177**	**54163**
POLYESTER								
HIGH TENACITY	9865	8108	8762	4293	14413	11467	12569	5963
TEXTURED	22098	22155	24156	13431	31123	30677	32819	18065
POY	14959	9233	6538	2898	13854	7966	5495	2671
OTHER	9981	6655	7043	3175	19007	12263	12811	5907
SUBTOTAL ABOVE	**56903**	**46151**	**46499**	**23797**	**78397**	**62373**	**63694**	**32606**
OTHER SYNTHETIC FILAMENT								
TEXTURED	4715	2163	1517	626	5921	3325	2687	1017
OTHER	4023	3642	4708	2681	10774	10107	13789	7678
MONOFILAMENTS & STRIPS	5147	5195	4869	3049	15991	16684	17496	9680
SUBTOTAL ABOVE	**13885**	**11000**	**11094**	**6356**	**32686**	**30116**	**33972**	**18375**
STAPLE								
NYLON	6317	7614	9587	4109	12491	13591	18153	9008
POLYESTER	32311	27854	31085	15730	26761	21522	21732	10512
ACRYLIC	17246	14556	14450	7979	13984	11408	12161	7148
POLYPROPYLENE	3058	9418	9753	3923	2746	7544	7824	2763
OTHER	536	787	212	104	699	1309	517	351
TOW								
NYLON	1625	1647	1623	982	2136	2293	2379	1463
POLYESTER	446	217	269	123	426	239	298	155
ACRYLIC	8568	6565	5438	2941	7972	5970	5442	3070
OTHER	25	25	16	17	44	47	29	32
TOPS	6931	2886	2452	877	7203	3910	3323	802
SUBTOTAL ABOVE	**77063**	**71569**	**74885**	**36785**	**74462**	**67833**	**71858**	**35304**
WASTE								
OTHER	25897	20164	24218	12684	10583	7003	8388	4316
TOTAL MANUFACTURED FIBERS ABOVE	**228834**	**197918**	**207266**	**106188**	**317270**	**284665**	**295474**	**150562**
OTHER MFRD. FIBER YARN & THREAD								
SEWING THREAD								
FILAMENT	2806	2775	2394	923	14205	14086	12698	5673
SPUN YARN	659	580	825	589	3255	3864	4715	3051
SPUN YARNS								
SYNTHETIC	67466	52645	46357	21952	107517	81762	73446	35473
ARTIFICIAL	882	700	1139	725	2363	1899	2778	1664
PUT UP FOR RETAIL SALE	1550	1358	1493	863	5365	5264	6533	3754
GRAND TOTAL ABOVE	**302197**	**256076**	**259474**	**131240**	**449975**	**391540**	**395642**	**200177**

SOURCE: Statistics Canada

TABLE 4:
CANADIAN MANUFACTURED FIBER EXPORTS: 1989 TO 1992

ITEM	THOUSAND POUNDS 1989	THOUSAND POUNDS 1990	THOUSAND POUNDS 1991	THOUSAND POUNDS 6 MOS. 1992	THOUSAND DOLLARS 1989	THOUSAND DOLLARS 1990	THOUSAND DOLLARS 1991	THOUSAND DOLLARS 6 MOS. 1992
ARTIFICIAL (CELLULOSIC) FIBER								
FILAMENT YARN								
HIGH TENACITY	27	1	0	0	33	2	0	0
TEXTURED	1214	232	27	0	1820	292	21	0
OTHER	22744	19712	23657	10375	34957	34358	41383	17685
MONOFILAMENTS & STRIPS	3	0	4	0	6	0	23	0
SUBTOTAL ABOVE	**23988**	**19945**	**23688**	**10375**	**36816**	**34652**	**41427**	**17685**
STAPLE	49532	56579	44648	29735	48088	64034	52861	32355
TOW	35643	38886	38253	18670	57277	69639	70058	35004
TOPS	45	3	4	0	26	2	15	0
SUBTOTAL ABOVE	**85220**	**95468**	**82905**	**48605**	**105391**	**133675**	**122934**	**67359**
WASTE	**584**	**545**	**450**	**647**	**133**	**192**	**221**	**265**
SYNTHETIC (NONCELLULOSIC) FIBERS								
FILAMENT YARN								
NYLON								
HIGH TENACITY	25737	29760	25096	12574	41308	44918	42469	17540
TEXTURED								
UP TO 450 DENIER	1091	665	7128	2085	1451	2489	15502	4795
OVER 450 DENIER	2558	13856	25511	14326	4118	19696	38498	22736
OTHER	748	2247	15687	11167	1130	4314	32616	23221
SUBTOTAL ABOVE	**30134**	**46528**	**73422**	**40152**	**48007**	**71617**	**129085**	**68292**
POLYESTER								
HIGH TENACITY	8036	11064	11216	2990	8858	11644	11763	3127
TEXTURED	553	131	130	111	811	196	247	177
POY	36	64	1	9	25	92	4	11
OTHER	4588	213	552	209	5208	412	1028	562
SUBTOTAL ABOVE	**13213**	**11472**	**11899**	**3319**	**14902**	**12344**	**13042**	**3877**
OTHER SYNTHETIC FILAMENT								
TEXTURED	16856	17583	14667	6991	17629	18854	15772	7302
OTHER	1404	1899	1086	270	3583	3062	1927	1697
MONOFILAMENTS & STRIPS	2911	2882	3167	1583	14003	21843	23716	10796
SUBTOTAL ABOVE	**21171**	**22364**	**18920**	**8844**	**35215**	**43759**	**41415**	**19795**
STAPLE								
NYLON	4910	21369	15266	10054	5927	23484	16691	10905
POLYESTER	7216	4840	14538	14989	5106	3506	8786	9916
ACRYLIC	21	14	0	0	40	74	0	0
POLYPROPYLENE	584	1290	364	132	767	1332	305	82
OTHER	71	361	1	13	161	559	2	20
TOW								
NYLON	0	13	98	0	0	9	100	0
POLYESTER	0	0	147	0	0	0	180	0
ACRYLIC	74	0	4	0	84	0	7	0
OTHER	1	175	69	0	2	626	491	0
TOPS	678	324	178	64	883	386	261	89
SUBTOTAL ABOVE	**13555**	**28386**	**30665**	**25252**	**12970**	**29976**	**26823**	**21012**
WASTE								
OTHER	12044	17189	13315	5284	5035	4833	3448	1098
TOTAL MANUFACTURED FIBERS ABOVE	**199909**	**241897**	**255264**	**142478**	**258469**	**331048**	**378395**	**199383**
OTHER MFRD. FIBER YARN & THREAD								
SEWING THREAD								
FILAMENT	117	495	125	103	318	358	401	364
SPUN YARN	132	14	18	21	394	137	209	222
SPUN YARNS								
SYNTHETIC	3110	5808	5108	5681	5474	9854	7604	9632
ARTIFICIAL	162	389	319	134	333	367	475	150
PUT UP FOR RETAIL SALE	4307	1341	1503	824	7254	5775	7216	3725
GRAND TOTAL ABOVE	**207737**	**249944**	**262337**	**149241**	**272242**	**347539**	**394300**	**213476**

SOURCE: Statistics Canada

TABLE 5:
SELECTED CANADIAN MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN: 1990 TO 1992
THOUSAND POUNDS

	A. SYNTHETIC (NONCELLULOSIC) YARN - SINGLES									B. SYNTHETIC (NONCELLULOSIC)					
	NYLON			POLYESTER			OTHER			NYLON			POLYESTER		
COUNTRY	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992
AUSTRIA	82	223	179	0	0	0	0	15	0	4	23	14	0	0	0
BELGIUM/LUXEMBOURG	0	0	0	44	0	0	294	0	0	0	0	0	0	0	0
FRANCE	346	160	274	150	294	115	12	81	111	115	161	138	0	0	0
GERMANY	1247	916	609	371	630	249	87	36	33	63	246	2	178	65	51
IRELAND	0	0	0	0	0	0	255	688	284	0	0	0	1246	834	311
ITALY	2209	405	19	85	129	14	281	59	4	0	0	0	0	8	5
NETHERLANDS	605	275	187	0	1	0	6	38	0	85	131	90	0	0	0
PORTUGAL	26	67	20	0	0	0	29	0	0	0	0	0	0	0	0
SPAIN	29	0	0	0	0	0	0	3	0	9	5	7	0	0	0
SWITZERLAND	316	128	111	423	174	284	0	0	28	450	292	282	0	0	14
TURKEY	110	216	245	0	0	0	0	0	0	0	0	0	0	0	0
UNITED KINGDOM	3885	3098	1400	36	61	13	1628	665	362	36	34	65	2	30	149
OTHER COUNTRIES	0	0	0	0	48	0	0	0	0	0	2	11	0	0	0
TOTAL WESTERN EUROPE	**8855**	**5488**	**3044**	**1109**	**1337**	**675**	**2592**	**1585**	**822**	**762**	**894**	**609**	**1426**	**937**	**530**
C.I.S.	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0
CZECHOSLOVAKIA	229	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROMANIA	0	0	0	270	171	111	0	0	0	0	0	0	1958	410	285
YUGOSLAVIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL EASTERN EUROPE	**229**	**0**	**0**	**270**	**171**	**111**	**0**	**0**	**0**	**0**	**2**	**0**	**1958**	**410**	**285**
U.S.A.	**32444**	**36546**	**18750**	**30879**	**34448**	**18312**	**2783**	**4325**	**2215**	**8419**	**10286**	**4454**	**19260**	**23984**	**11804**
BRAZIL	0	17	0	17	0	0	21	0	9	0	0	0	0	0	0
COSTA RICA	0	0	0	546	685	344	0	0	0	0	0	0	0	0	0
EL SALVADOR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEXICO	416	541	43	9776	7736	3226	49	36	17	0	0	0	46	133	44
OTHER COUNTRIES	10	0	0	7	61	0	0	0	0	0	0	0	39	0	0
TOTAL OTHER AMERICAS	**426**	**558**	**43**	**10346**	**8482**	**3570**	**70**	**36**	**26**	**0**	**0**	**0**	**85**	**133**	**44**
HONG KONG	0	0	0	9	9	15	0	0	0	0	0	0	0	0	0
INDIA	0	0	0	0	0	0	0	0	0	0	0	0	419	200	0
INDONESIA	0	3	0	38	131	0	0	0	0	0	0	0	0	0	0
KOREA, REP. OF	0	1	3	1867	1664	878	356	117	60	0	0	0	1480	1910	814
MALAYSIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SINGAPORE	0	0	0	0	0	33	0	0	0	0	0	0	0	0	0
TAIWAN	92	95	33	99	35	99	3	0	0	0	0	0	3382	3594	2248
THAILAND	45	12	7	1	54	54	0	150	154	0	0	0	0	0	0
TOTAL OTHER ASIA	**137**	**111**	**43**	**2014**	**1893**	**1079**	**359**	**267**	**214**	**0**	**0**	**0**	**5281**	**5704**	**3062**
CHINA, PRC	**0**	**0**	**0**	**19**	**23**	**0**	**0**	**0**	**0**	**53**	**0**	**0**	**0**	**0**	**0**
JAPAN	**81**	**62**	**46**	**1485**	**8**	**23**	**1**	**12**	**0**	**27**	**28**	**28**	**61**	**186**	**128**
AUSTRALIA	24	14	0	0	0	0	0	0	0	0	0	0	0	0	0
EGYPT	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ISRAEL	1187	1173	446	0	0	0	0	0	30	0	0	0	0	0	0
MAURITIUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOUTH AFRICA	0	0	82	29	137	27	0	0	0	0	0	0	0	0	0
OTHER COUNTRIES	0	30	56	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL M.E., A., & O.	**1211**	**1217**	**584**	**29**	**137**	**27**	**0**	**0**	**30**	**0**	**0**	**0**	**0**	**0**	**0**
GRAND TOTAL	**43383**	**43982**	**22512**	**46151**	**46499**	**23797**	**5805**	**6225**	**3307**	**9261**	**11210**	**5091**	**28071**	**31354**	**15853**

SOURCE: Statistics Canada

The Harmonized Tariff Schedule numbers are:

A. **Nylon:** 5402.10.30.20, 5402.10.30.40, 5402.10.60.00, 5402.31.30.00, 5402.31.60.00, 5402.32.30.00, 5402.32.60.00, 5402.41.00.10, 5402.41.00.30, 5402.41.00.40, 5402.51.00.00 & 5402.61.00.00.

Polyester: 5402.20.30.20, 5402.20.30.40, 5402.20.60.00, 5402.33.30.00, 5402.33.60.00, 5402.42.00.00, 5402.43.00.20, 5402.43.00.40, 5402.52.00.00 & 5402.62.00.00.

Other: 5402.39.30.10, 5402.39.30.90, 5402.39.60.10, 5402.39.60.90, 5402.49.00.10, 5402.49.00.50, 5402.49.00.70, 5402.49.00.80, 5402.59.00.00 & 5402.69.00.00.

B. **Nylon:** 5503.10.00.00 & 5501.10.00.00.

Polyester: 5503.20.00.00 & 5501.20.00.00.

Acrylic: 5503.30.00.00 & 5501.30.00.00.

TABLE 5:
SELECTED CANADIAN MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN: 1990 TO 1992 *(CONTINUED)*
THOUSAND POUNDS

STAPLE+TOW						C. SPUN YARNS						D. WASTE					
ACRYLIC			OTHER			ARTIFICIAL (CELL.)			SYNTHETIC (NONCELL.)			ARTIFICIAL (CELL.)			SYNTHETIC (NONCELL.)		
1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992
0	0	0	30	4	0	0	0	0	52	22	9	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	5	3	0	0	0	0	0	0	0
37	0	7	0	0	0	3	6	5	75	57	33	0	0	0	0	0	0
329	569	128	0	1	0	47	342	63	338	66	43	0	0	0	0	0	0
98	0	111	0	0	0	0	0	0	431	557	267	0	0	0	0	0	0
127	0	0	41	0	2	2	4	1	483	460	447	0	0	0	1	0	0
101	0	0	0	0	0	0	16	0	3	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
63	22	0	0	0	0	0	1	1	149	176	15	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	14	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	190	0	0	0	0	0	0	0	0
1458	2322	1713	707	523	371	10	10	0	148	193	280	0	136	127	402	415	82
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	41	45
2213	**2913**	**1959**	**778**	**528**	**373**	**62**	**379**	**70**	**1874**	**1534**	**1109**	**0**	**136**	**127**	**405**	**456**	**127**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	32	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**32**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
18717	**16335**	**8422**	**9413**	**9433**	**3638**	**614**	**714**	**645**	**11349**	**11831**	**4872**	**990**	**1287**	**1313**	**18282**	**22086**	**11907**
0	0	0	0	0	0	0	0	0	3066	4274	1900	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	498	717	243	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1561	1191	567	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	0	0
0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**5125**	**6182**	**2710**	**0**	**0**	**0**	**13**	**0**	**0**
0	0	0	0	0	0	0	0	0	25	22	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	95	245	0	0	0	57	0	0
0	0	0	0	0	0	0	0	0	718	1780	1373	0	0	0	0	0	0
0	0	0	0	0	0	0	25	10	27339	17454	7431	0	0	0	929	1235	618
0	0	0	0	0	0	0	0	0	462	339	323	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	70	152	594	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	2490	1210	380	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1925	2234	947	0	0	0	44	44	0
0	0	0	0	0	0	0	0	0	652	2615	991	0	0	0	0	0	0
0	**0**	**0**	**0**	**0**	**0**	**0**	**25**	**10**	**33681**	**25901**	**12285**	**0**	**0**	**0**	**1030**	**1279**	**618**
0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**254**	**577**	**892**	**0**	**0**	**0**	**0**	**0**	**0**
191	**640**	**539**	**39**	**20**	**33**	**24**	**21**	**0**	**129**	**154**	**72**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	11	72	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	9	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	190	97	12	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	434	397	32
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**201**	**178**	**12**	**0**	**0**	**0**	**434**	**397**	**32**
21121	**19888**	**10920**	**10230**	**9981**	**4044**	**700**	**1139**	**725**	**52645**	**46357**	**21952**	**990**	**1423**	**1440**	**20164**	**24218**	**12684**

Other: 5503.40.00.00, 5503.90.00.00 & 5501.90.00.00

C. **Artificial (Cellulosic):** 5510.11.00.00, 5510.90.20.00, 5510.12.00.00, 5510.90.40.00, 5510.20.00.00, 5510.30.00.00 & 5510.90.60.00

Synthetic (Noncellulosic): 5509.11.00.00, 5509.21.00.00, 5509.51.30.00, 5509.31.00.00, 5509.41.00.00, 5509.41.00.90, 5509.69.20.00, 5509.99.20.00, 5509.12.00.00, 5509.22.00.10, 5509.22.00.90, 5509.51.60.00, 5509.32.00.00, 5509.42.00.10, 5509.42.00.90, 5509.69.40.00, 5509.99.40.00, 5509.52.00.00, 5509.53.00.30, 5509.53.00.60, 5509.59.00.00, 5509.61.00.00, 5509.62.00.00, 5509.69.60.00, 5509.91.00.00, 5509.92.00.00 & 5509.99.60.00

D. **Artificial (Cellulosic):** 5505.20.00.00

Synthetic (Noncellulosic): 5505.10.00.20, 5505.10.00.40 & 5505.10.00.60

TABLE 6:
SELECTED CANADIAN EXPORTS BY COUNTRY OF DESTINATION: 1990 TO 1992
THOUSAND POUNDS

	A. ARTIFICIAL (CELL.) YARN, MONOFIL & STRIPS			B. SYNTHETIC (NONCELL.) TEXTILE YARN			C. SYNTHETIC (NONCELL.) INDUSTRIAL YARN, MONOFIL & STRIPS			D. ARTIFICIAL (CELL.) STAPLE+TOW+TOPS			E. SYNTHETIC (NONCELL.) STAPLE+TOW+TOPS		
COUNTRY	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992
AUSTRIA	0	0	0	0	1	0	0	1	2	2	0	0	0	0	0
BELGIUM/ LUXEMBOURG	7345	2149	1125	22	100	24	4854	6441	2264	4	0	0	41	21	0
DENMARK	0	0	0	0	0	0	1	4	0	0	0	0	0	0	0
FINLAND	0	42	0	0	0	0	870	662	75	0	0	0	0	0	0
FRANCE	0	0	0	0	0	0	2876	2206	1356	0	0	0	0	0	0
GERMANY	39	0	0	0	0	8	350	395	212	97	1	0	33	0	37
GREECE	0	0	0	0	0	0	0	0	0	172	0	0	0	0	0
ICELAND	0	0	0	0	0	0	150	0	0	0	0	0	0	0	0
IRELAND	0	0	0	44	20	0	32	109	0	2152	1482	0	0	0	0
ITALY	794	0	0	0	0	0	85	59	0	0	2	0	64	0	0
NETHERLANDS	0	0	0	316	134	2	177	2	0	0	0	0	0	0	0
NORWAY	0	0	0	0	0	0	10	0	0	0	0	0	0	0	0
PORTUGAL	18	0	0	0	0	0	22	0	0	0	0	0	0	0	0
SPAIN	176	0	0	236	376	286	722	526	50	242	0	0	0	0	0
SWEDEN	0	39	0	0	1	0	1016	516	252	0	0	0	0	0	0
SWITZERLAND	38	0	0	9	0	0	0	0	0	0	0	0	0	0	0
TURKEY	0	0	0	0	0	0	1267	562	2076	0	0	0	0	0	0
UNITED KINGDOM	78	49	35	25	246	148	7991	2594	1212	569	173	459	234	294	193
TOTAL WESTERN EUROPE	**8488**	**2279**	**1160**	**652**	**878**	**468**	**20423**	**14077**	**7499**	**3238**	**1658**	**459**	**372**	**315**	**230**
HUNGARY	124	0	0	0	0	0	0	0	0	0	0	0	4	4	0
POLAND	0	0	0	0	0	0	0	15	0	0	0	0	0	0	0
OTHER COUNTRIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL EASTERN EUROPE	**124**	**0**	**0**	**0**	**0**	**0**	**0**	**15**	**0**	**0**	**0**	**0**	**4**	**4**	**0**
U.S.A.	**5985**	**12133**	**7754**	**30039**	**39047**	**20529**	**16953**	**31333**	**14733**	**46912**	**40315**	**26471**	**26818**	**29858**	**24737**
ARGENTINA	43	174	171	0	0	0	1	1074	1235	0	0	47	0	0	0
BRAZIL	19	29	0	0	0	0	52	162	162	0	0	0	0	0	0
CHILE	32	67	64	0	0	0	9	17	8	43	0	0	9	0	0
COLOMBIA	0	0	0	0	2	0	138	112	64	0	0	40	0	0	42
COSTA RICA	1	0	0	1	0	0	0	2	0	0	0	0	0	0	0
DOMINICAN REPUBLIC	0	0	0	0	0	0	8	7	2	0	0	0	0	0	0
ECUADO	0	0	0	0	0	0	0	0	0	103	0	11	0	0	0
JAMAICA	0	0	0	0	0	0	10	4	0	0	0	0	0	0	0
MEXICO	0	1	0	76	41	0	510	369	287	523	265	699	45	110	81
PANAMA	12	0	0	35	0	14	1	35	32	0	0	0	0	0	0
PERU	0	0	0	0	0	0	0	318	0	509	250	395	0	0	0
TRINIDAD	0	0	0	0	0	0	4	5	6	2	0	0	1	0	0
URUGUAY	372	513	163	15	15	14	15	15	0	0	0	0	0	0	0
VENEZUELA	0	0	0	4	43	0	31	14	0	1111	44	0	0	0	0
OTHER COUNTRIES	0	0	0	1	0	0	0	9	0	0	0	0	0	0	0
TOTAL OTHER AMERICAS	**479**	**784**	**398**	**132**	**101**	**28**	**779**	**2143**	**1796**	**2291**	**559**	**1192**	**55**	**110**	**123**

See footnotes opposite.

TABLE 6:
SELECTED CANADIAN EXPORTS BY COUNTRY OF DESTINATION: 1990 TO 1992 *(CONTINUED)*
THOUSAND POUNDS

COUNTRY	A. ARTIFICIAL (CELL.) YARN, MONOFIL & STRIPS			B. SYNTHETIC (NONCELL.) TEXTILE YARN			C. SYNTHETIC (NONCELL.) INDUSTRIAL YARN, MONOFIL & STRIPS			D. ARTIFICIAL (CELL.) STAPLE+TOW+TOPS			E. SYNTHETIC (NONCELL.) STAPLE+TOW+TOPS		
	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992
BANGLADESH	0	0	0	0	0	0	0	0	0	545	541	167	0	0	0
HONG KONG	0	0	0	0	0	0	0	7	33	7360	6497	4640	0	0	0
INDIA	27	21	0	22	0	0	528	10	286	209	0	0	3	0	1
INDONESIA	0	0	0	0	0	0	4082	3425	890	1383	1317	1750	0	0	0
KOREA, REP. OF	4746	7926	955	71	23	33	502	837	205	8471	5595	1153	781	300	0
MALAYSIA	0	0	4	0	0	0	0	0	0	307	141	85	0	0	0
PAKISTAN	44	0	0	32	66	32	0	0	32	0	0	0	0	0	0
PHILIPPINES	0	0	0	0	0	0	705	570	458	3015	3800	923	0	0	0
SINGAPORE	0	0	0	0	8	0	621	1249	28	1369	1888	500	0	0	0
TAIWAN	0	498	0	50	0	0	89	200	1010	388	0	79	0	36	61
THAILAND	0	0	0	0	0	0	0	0	39	2570	1836	1678	0	0	0
TOTAL OTHER ASIA	**4817**	**8445**	**959**	**175**	**97**	**65**	**6527**	**6298**	**2981**	**25615**	**21615**	**10975**	**784**	**336**	**82**
CHINA, PRC	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**11561**	**16026**	**8977**	**0**	**0**	**0**
JAPAN	**0**	**41**	**104**	**4**	**48**	**0**	**7**	**11**	**955**	**59**	**0**	**0**	**209**	**23**	**0**
AUSTRALIA	0	4	0	1128	6975	2291	2698	1252	618	4566	2532	531	60	19	12
CAMEROON	0	0	0	0	0	0	0	0	0	390	0	0	0	0	0
EGYPT	37	0	0	0	0	0	0	8	0	0	0	0	0	0	0
IRAQ	0	0	0	24	0	0	58	0	0	0	0	0	0	0	0
ISRAEL	0	0	0	9	3	0	496	1542	175	327	0	0	0	0	0
JORDAN	0	0	0	13	0	0	0	0	27	0	0	0	0	0	0
LEBANON	0	0	0	0	10	0	0	0	0	0	0	0	0	0	0
MOROCCO	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0
NEW ZEALAND	0	2	0	123	24	17	41	5	9	317	20	0	0	0	0
NIGERIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	94	68	47	26	0	0	0	0	1	0	68
SOUTH AFRICA	0	0	0	0	30	0	5	40	0	108	101	0	3	0	0
OTHER COUNTRIES	0	0	0	0	130	56	31	54	0	84	79	0	0	0	0
TOTAL M.E., A., & O.	**52**	**6**	**0**	**1297**	**7266**	**2432**	**3376**	**2927**	**829**	**5792**	**2732**	**531**	**64**	**19**	**80**
GRAND TOTAL	**19945**	**23688**	**10375**	**32299**	**47437**	**23522**	**48065**	**56804**	**28793**	**95468**	**82905**	**48605**	**28386**	**30665**	**25252**

SOURCE: Statistics Canada

The Harmonized Tariff Schedule numbers are:

A. 5403.10.00.00, 5403.10.30.20, 5403.10.30.40, 5403.10.60.00, 5403.20.00.00, 5403.20.30.00, 5403.20.60.00, 5403.31.10.00 - 5403.39.00.40, 5403.41.00.00 - 5403.49.00.00, 5405.00.30.00 & 5405.00.60.00.

B. 5402.31.00.00, 5402.31.30.00, 5402.31.60.00, 5402.32.00.00, 5402.32.20.00, 5402.32.60.00, 5402.41.00.10, 5402.33.00.00, 5402.33.30.00, 5402.33.60.00, 5402.42.00.00, 5402.39.00.00, 5402.39.30.10, 5402.39.30.90, 5402.39.60.10 & 5402.39.60.90.

C. 5402.10.00.00, 5402.10.30.20, 5402.10.30.40, 5402.10.60.00, 5402.41.00.20, 5402.41.00.30, 5402.41.00.40, 5402.41.00.60, 5402.51.00.00, 5402.61.00.00, 5404.10.20.20, 5402.20.00.00, 5402.20.30.20, 5402.20.30.40, 5402.20.60.00, 5402.43.00.20, 5402.43.00.30, 5402.43.00.40, 5402.43.00.60, 5402.52.00.00, 5402.62.00.00, 5404.10.20.40, 5402.49.00.10, 5402.49.00.50, 5402.49.00.70, 5402.49.00.80, 5402.59.00.00, 5402.69.00.00, 5404.10.10.00, 5404.10.20.90 & 5404.90.00.00.

D. 5504.10.00.00, 5504.90.00.00, 5502.00.00.00 & 5507.00.00.00.

E. 5503.10.00.00, 5503.20.00.00, 5503.30.00.00, 5503.40.00.00, 5503.90.00.00, 5501.10.00.00, 5501.20.00.00, 5501.30.00.00, 5501.90.00.00, 5506.10.00.00, 5506.20.00.00, 5506.30.00.00 & 5506.90.00.00.

TABLE 7:
MEXICAN MANUFACTURED FIBER IMPORTS: 1989 TO 1992

ITEM	THOUSAND POUNDS				THOUSAND DOLLARS			
	1989	1990	1991	5 MOS. 1992	1989	1990	1991	5 MOS. 1992
ARTIFICIAL (CELLULOSIC) FIBER								
FILAMENT YARN								
HIGH TENACITY	35	1243	531	89	77	2267	749	353
TEXTURED	24	172	107	73	72	258	179	36
OTHER	498	324	121	255	970	482	290	486
MONOFILAMENTS & STRIPS	298	280	668	166	575	612	531	110
SUBTOTAL ABOVE	**855**	**2019**	**1427**	**583**	**1694**	**3619**	**1749**	**985**
STAPLE	17243	25485	22980	5384	18388	28719	24161	5269
TOW	43	20	406	+	16	33	232	6
TOPS	17	59	41	+	48	57	34	1
SUBTOTAL ABOVE	**17303**	**25564**	**23427**	**5384**	**18452**	**28809**	**24427**	**5276**
WASTE	**28**	**146**	**815**	+	**27**	**28**	**642**	+
SYNTHETIC (NONCELLULOSIC) FIBERS								
FILAMENT YARN								
NYLON								
HIGH TENACITY	1407	1569	2886	1489	3125	3933	7094	3157
TEXTURED								
UP TO 450 DENIER	30	389	1025	311	89	990	2713	780
OVER 450 DENIER	255	599	603	144	556	1278	1162	348
OTHER	1333	2594	4028	1967	1420	5890	8087	4683
SUBTOTAL ABOVE	**3025**	**5151**	**8542**	**3911**	**5190**	**12091**	**19056**	**8968**
POLYESTER								
HIGH TENACITY	397	369	553	192	584	630	677	249
TEXTURED	824	1283	4215	1054	1210	1717	4407	2245
POY	1	342	1490	1850	2	253	1134	1744
OTHER	195	171	459	302	531	555	1006	526
SUBTOTAL ABOVE	**1417**	**2165**	**6717**	**3398**	**2327**	**3155**	**7224**	**4764**
OTHER SYNTHETIC FILAMENT								
TEXTURED	539	162	172	47	2096	351	292	144
OTHER	2839	3995	6479	3128	9910	9974	14725	11805
MONOFILAMENTS & STRIPS	978	922	1683	2050	3434	3089	3378	1839
SUBTOTAL ABOVE	**4356**	**5079**	**8334**	**5225**	**15440**	**13414**	**18395**	**13788**
STAPLE								
NYLON	861	1234	1224	571	1559	2159	2002	964
POLYESTER	7176	9462	14031	9496	5860	5533	8658	5605
ACRYLIC	3642	2572	1337	561	2834	2124	1331	531
POLYPROPYLENE	11789	18440	23696	12886	10125	15132	19451	10407
OTHER	43	65	334	207	39	57	405	278
TOW								
NYLON	23	414	1620	536	34	797	1639	785
POLYESTER	206	266	397	118	287	412	546	182
ACRYLIC	396	3495	1093	1187	301	2701	793	926
OTHER	1	14	42	37	1	6	35	27
TOPS	4347	4659	2826	1224	3951	4591	3326	1367
SUBTOTAL ABOVE	**28484**	**40621**	**46600**	**26823**	**24991**	**33512**	**38186**	**21072**
WASTE								
OTHER	2413	776	1484	1656	728	187	527	464
TOTAL MANUFACTURED FIBERS ABOVE	**57881**	**81521**	**97346**	**46980**	**68849**	**94815**	**110206**	**55317**
OTHER MFRD. FIBER YARN & THREAD								
SEWING THREAD								
FILAMENT	237	153	423	1910	978	704	1223	563
SPUN YARN	229	179	540	1655	665	442	1266	497
SPUN YARNS								
SYNTHETIC	841	943	1681	553	864	1384	3453	1284
ARTIFICIAL	186	263	621	262	359	830	993	897
PUT UP FOR RETAIL SALE	507	286	487	434	1312	1242	1286	1165
GRAND TOTAL ABOVE	**59881**	**83345**	**101098**	**51794**	**73027**	**99417**	**118427**	**59723**

SOURCE: SECOFI, Secretariat de Commercial E Fomento Industrial

+ Less than 1 thousand pounds or 1 thousand dollars

TABLE 8:
MEXICAN MANUFACTURED FIBER EXPORTS: 1989 TO 1992

ITEM	THOUSAND POUNDS				THOUSAND DOLLARS			
	1989	1990	1991	5 MOS. 1992	1989	1990	1991	5 MOS. 1992
ARTIFICIAL (CELLULOSIC) FIBER								
FILAMENT YARN								
HIGH TENACITY	186	46	354	178	346	81	1039	212
TEXTURED	397	506	88	0	346	480	136	0
OTHER	6110	4462	5779	2589	12182	9124	12438	4267
MONOFILAMENTS & STRIPS	3297	8419	2086	+	5244	14278	3399	1
SUBTOTAL ABOVE	**9990**	**13433**	**8307**	**2767**	**18118**	**23963**	**17012**	**4480**
STAPLE	0	2	8	1	0	23	11	+
TOW	13413	16292	19619	3703	17420	26215	38000	14449
TOPS	+	30	5	0	1	50	24	0
SUBTOTAL ABOVE	**13413**	**16324**	**19632**	**3704**	**17421**	**26288**	**38035**	**14449**
WASTE	**3**	**5**	**7**	**17**	**+**	**+**	**1**	**1**
SYNTHETIC (NONCELLULOSIC) FIBERS								
FILAMENT YARN								
NYLON								
HIGH TENACITY	9808	11714	12437	5734	11892	14187	14407	5657
TEXTURED								
UP TO 450 DENIER	2093	101744	1969	879	2094	1832	3221	1412
OVER 450 DENIER	1691	598	1146	79	2512	919	2036	285
OTHER	5892	6881	4316	2131	7896	9959	7428	3382
SUBTOTAL ABOVE	**19484**	**120937**	**19868**	**8823**	**24394**	**26897**	**27092**	**10736**
POLYESTER								
HIGH TENACITY	6826	6491	7547	5206	7115	7321	8628	6027
TEXTURED	33683	37321	19836	8820	35876	37948	20982	9441
POY	24529	21637	22624	11458	18529	15827	18736	9562
OTHER	1698	1916	3158	973	1990	2133	3727	1062
SUBTOTAL ABOVE	**66736**	**67365**	**53165**	**26457**	**63510**	**63229**	**52073**	**26092**
OTHER SYNTHETIC FILAMENT								
TEXTURED	7367	4789	5237	1959	11597	7813	8546	3161
OTHER	2960	1442	3253	2538	5469	3326	7179	6178
MONOFILAMENTS & STRIPS	3173	494	464	214	996	806	1368	550
SUBTOTAL ABOVE	**13500**	**6725**	**8954**	**4711**	**18062**	**11945**	**17093**	**9889**
STAPLE								
NYLON	16	5	43	0	26	5	27	0
POLYESTER	16170	22160	24178	6098	11421	11393	13619	5859
ACRYLIC	10784	8823	15452	2553	8745	7218	10003	1999
POLYPROPYLENE	20	38	323	35	34	34	257	28
OTHER	901	+	+	12	109	+	+	4
TOW								
NYLON	1	6	49	11	2	23	125	2
POLYESTER	0	+	0	0	0	+	0	0
ACRYLIC	11125	6272	11650	5477	9017	4404	9274	4290
OTHER	2	22	50	136	3	19	40	82
TOPS	25601	27629	47186	23975	36241	22019	47162	22414
SUBTOTAL ABOVE	**64620**	**64955**	**98931**	**38297**	**65598**	**45115**	**90507**	**34678**
WASTE								
OTHER	14312	13913	12550	4644	3156	3109	3263	1277
TOTAL MANUFACTURED FIBERS ABOVE	**202058**	**303657**	**221414**	**89420**	**210259**	**200546**	**235076**	**101602**
OTHER MFRD. FIBER YARN & THREAD								
SEWING THREAD								
FILAMENT	470	569	438	645	1170	1547	963	680
SPUN YARN	1575	2866	1013	500	2547	4664	2471	1260
SPUN YARNS								
SYNTHETIC	15950	13692	13292	8077	22451	14208	23883	16247
ARTIFICIAL	518	48	62	108	735	80	136	210
PUT UP FOR RETAIL SALE	12129	1281	2394	1146	5758	2568	4623	2266
GRAND TOTAL ABOVE	**232700**	**322113**	**238613**	**99896**	**242920**	**223613**	**267154**	**122265**

SOURCE: SECOFI, Secretariat de Commercial E Fomento Industrial

+ Less than 1 thousand pounds or 1 thousand dollars

TABLE 9:
SELECTED MEXICAN MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN: 1990 T0 1992
THOUSAND POUNDS

COUNTRY	A. SYNTHETIC (NONCELLULOSIC) YARN - SINGLES									B. SYNTHETIC (NONCELLULOSIC)					
	NYLON			POLYESTER			OTHER			NYLON			POLYESTER		
	1990	1991	5 MOS. 1992	1990	1991	5 MOS. 1992	1990	1991	5 MOS. 1992	1990	1991	5 MOS. 1992	1990	1991	5 MOS. 1992
AUSTRIA	0	0	0	0	0	0	0	2	1	7	0	0	87	44	86
BELGIUM/LUXEMBOURG	0	0	0	0	1	0	0	0	0	6	0	0	0	0	0
DENMARK	0	0	0	0	0	10	0	0	0	0	0	0	0	0	0
FRANCE	12	582	179	22	12	2	0	0	0	6	174	65	0	0	0
GERMANY	15	17	0	220	125	82	1	0	0	0	0	0	325	283	110
ITALY	104	878	363	6	33	5	13	15	8	0	0	0	0	0	0
NETHERLANDS	0	0	0	0	20	0	0	0	0	3	0	0	11	42	0
SPAIN	1	0	2	1	0	3	1	114	1	0	18	11	0	0	0
SWITZERLAND	169	500	0	0	2	0	21	0	0	0	0	0	0	0	0
UNITED KINGDOM	149	272	7	1	0	0	2	33	38	23	0	0	0	0	0
OTHER COUNTRIES	0	0	0	0	0	0	0	0	0	0	0	0	38	0	5
TOTAL WESTERN EUROPE	**450**	**2249**	**551**	**250**	**193**	**102**	**38**	**164**	**48**	**45**	**192**	**76**	**461**	**369**	**201**
U.S.A.	**4268**	**5837**	**3136**	**1838**	**6459**	**1870**	**3233**	**5339**	**2438**	**1450**	**2568**	**959**	**8405**	**10114**	**3311**
CANADA	**224**	**393**	**162**	**2**	**47**	**0**	**26**	**207**	**110**	**116**	**84**	**72**	**0**	**0**	**0**
ARGENTINA	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
BRAZIL	0	3	2	0	1	0	67	1	0	0	0	0	0	0	0
CHILE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
COLOMBIA	123	0	0	0	1	0	0	0	0	0	0	0	0	1	0
OTHER COUNTRIES	0	0	0	0	0	68	0	0	0	0	0	0	0	0	0
TOTAL OTHER AMERICAS	**123**	**3**	**2**	**1**	**2**	**68**	**67**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**0**
HONG KONG	0	0	0	0	0	0	0	33	36	0	0	0	0	0	0
INDONESIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
KOREA, DEM. REP. OF	0	32	60	0	0	119	0	444	451	0	0	0	198	3518	6095
KOREA, REP. OF	14	11	0	0	12	0	689	319	0	37	0	0	293	255	0
TAIWAN	2	11	0	0	0	1232	12	11	0	0	0	0	262	48	0
TOTAL OTHER ASIA	**16**	**54**	**60**	**0**	**12**	**1351**	**701**	**807**	**487**	**37**	**0**	**0**	**753**	**3821**	**6095**
JAPAN	**70**	**3**	**0**	**74**	**4**	**7**	**92**	**133**	**92**	**0**	**0**	**0**	**109**	**122**	**7**
CYPRUS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ISRAEL	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0
OTHER COUNTRIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL M.E., A., & O.	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
GRAND TOTAL	**5151**	**8542**	**3911**	**2165**	**6717**	**3398**	**4157**	**6651**	**3175**	**1648**	**2844**	**1107**	**9728**	**14428**	**9614**

SOURCE: SECOFI, Secretariat de Commercial E Fomento Industrial

The Harmonized Tariff Schedule numbers are:

A. **Nylon:** 5402.10.30.20, 5402.10.30.40, 5402.10.60.00, 5402.31.30.00, 5402.31.60.00, 5402.32.30.00, 5402.32.60.00, 5402.41.00.10, 5402.41.00.30, 5402.41.00.40, 5402.51.00.00 & 5402.61.00.00.

Polyester: 5402.20.30.20, 5402.20.30.40, 5402.20.60.00, 5402.33.30.00, 5402.33.60.00, 5402.42.00.00, 5402.43.00.20, 5402.43.00.40, 5402.52.00.00 & 5402.62.00.00.

Other: 5402.39.30.10, 5402.39.30.90, 5402.39.60.10, 5402.39.60.90, 5402.49.00.10, 5402.49.00.50, 5402.49.00.70, 5402.49.00.80, 5402.59.00.00 & 5402.69.00.00.

B. **Nylon:** 5503.10.00.00 & 5501.10.00.00.

Polyester: 5503.20.00.00 & 5501.20.00.00.

Acrylic: 5503.30.00.00 & 5501.30.00.00.

Other: 5503.40.00.00, 5503.90.00.00 & 5501.90.00.00.

C. **Artificial (Cellulosic):** 5510.11.00.00, 5510.90.20.00, 5510.12.00.00, 5510.90.40.00, 5510.20.00.00, 5510.30.00.00 & 5510.90.60.00.

Synthetic (Noncellulosic): 5509.11.00.00, 5509.21.00.00, 5509.51.30.00, 5509.31.00.00, 5509.41.00.00, 5509.41.00.90, 5509.69.20.00, 5509.99.20.00, 5509.12.00.00, 5509.22.00.10, 5509.22.00.90, 5509.51.60.00, 5509.32.00.00, 5509.42.00.10, 5509.42.00.90, 5509.69.40.00, 5509.99.40.00, 5509.52.00.00, 5509.53.00.30, 5509.53.00.60, 5509.59.00.00, 5509.61.00.00, 5509.62.00.00, 5509.69.60.00, 5509.91.00.00, 5509.92.00.00 & 5509.99.60.00.

D. **Artificial (Cellulosic):** 5505.20.00.00.

Synthetic (Noncellulosic): 5505.10.00.20, 5505.10.00.40 & 5505.10.00.60.

TABLE 9:
SELECTED MEXICAN MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN: 1990 TO 1992 *(CONTINUED)*
THOUSAND POUNDS

STAPLE+TOW						C. SPUN YARNS						D. WASTE					
ACRYLIC			OTHER			ARTIFICIAL (CELL.)			SYNTHETIC (NONCELL.)			ARTIFICIAL (CELL.)			SYNTHETIC (NONCELL.)		
1990	1991	5 MOS. 1992	1990	1991	5 MOS. 1992	1990	1991	5 MOS. 1992	1990	1991	5 MOS. 1992	1990	1991	5 MOS. 1992	1990	1991	5 MOS. 1992
0	0	0	2	176	64	0	42	-5	0	16	0	0	0	0	0	0	0
0	0	0	93	0	471	0	0	0	0	0	0	1	0	0	0	0	0
0	0	0	263	495	508	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	36	15	0	10	2	6	0	0	0	1	0	0
91	36	17	1681	1711	1188	0	5	0	1	9	0	0	0	0	0	0	0
0	3	3	0	133	185	0	4	0	2	4	8	0	0	0	0	0	0
0	0	0	440	66	0	0	0	0	0	0	0	1	0	0	0	55	0
94	44	23	0	0	0	0	1	0	0	72	7	0	2	0	6	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	79	63	0	0	0	0	0	0	0	0	0	0	0	33	0
0	0	0	0	0	0	0	89	0	0	0	0	0	0	0	0	20	0
208	**83**	**43**	**2558**	**2644**	**2416**	**36**	**156**	**5**	**13**	**103**	**21**	**2**	**2**	**0**	**7**	**108**	**0**
4195	**1442**	**169**	**11968**	**14508**	**9582**	**39**	**247**	**41**	**752**	**1224**	**505**	**144**	**813**	**•**	**769**	**1366**	**1656**
0	**0**	**0**	**3993**	**6840**	**945**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**
1393	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0
0	340	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	8	0	0	0	0	0	0	9	0
1393	**340**	**0**	**0**	**0**	**3**	**0**	**0**	**0**	**8**	**0**	**0**	**0**	**0**	**0**	**0**	**9**	**0**
0	0	0	0	0	0	0	0	0	99	92	0	0	0	0	0	0	0
0	0	0	0	0	0	0	95	0	0	0	0	0	0	0	0	0	0
0	0	0	0	77	184	0	0	0	0	65	10	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0
0	0	0	0	1	0	0	112	216	25	47	0	0	0	0	0	0	0
0	**0**	**0**	**0**	**78**	**184**	**0**	**207**	**216**	**126**	**205**	**10**	**0**	**0**	**0**	**0**	**0**	**0**
271	**565**	**1536**	**0**	**2**	**0**	**188**	**11**	**0**	**11**	**18**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
0	0	0	0	0	0	0	0	0	33	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	131	17	0	0	0	0	0	0
0	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**33**	**131**	**17**	**0**	**0**	**0**	**0**	**0**	**0**
6067	**2430**	**1748**	**18519**	**24072**	**13130**	**263**	**621**	**262**	**943**	**1681**	**553**	**146**	**815**	**•**	**776**	**1484**	**1656**

TABLE 10:
SELECTED MEXICAN EXPORTS BY COUNTRY OF DESTINATION: 1990 TO 1992
THOUSAND POUNDS

	A. ARTIFICIAL (CELL.) YARN, MONOFIL & STRIPS			B. SYNTHETIC (NONCELL.) TEXTILE YARN			C. SYNTHETIC (NONCELL.) INDUSTRIAL YARN, MONOFIL & STRIPS			D. ARTIFICIAL (CELL.) STAPLE+TOW+TOPS			E. SYNTHETIC (NONCELL.) STAPLE+TOW+TOPS		
COUNTRY	1990	1991	5 MOS. 1992	1990	1991	5 MOS. 1992	1990	1991	5 MOS. 1992	1990	1991	5 MOS. 1992	1990	1991	5 MOS. 1992
AUSTRIA	21	0	0	1	2	0	0	0	0	0	0	0	0	180	0
BELGIUM/ LUXEMBOURG	232	182	0	286	169	26	1192	1956	2572	0	0	0	80	3	0
DENMARK	0	0	0	0	0	0	577	204	0	0	0	0	0	0	0
FRANCE	0	0	19	0	2	0	0	0	0	0	0	0	0	0	0
GERMANY	129	0	0	73	73	335	39	50	0	0	0	0	217	1	0
GREECE	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0
IRELAND	0	0	0	0	0	50	0	0	0	0	0	0	0	0	0
ITALY	263	88	0	3703	893	1222	814	318	0	0	0	0	1513	5030	2592
NETHERLANDS	0	106	58	0	0	0	0	138	0	0	0	0	0	0	0
PORTUGAL	0	0	0	1822	1834	153	865	45	0	0	0	0	227	259	0
SPAIN	39	129	0	664	977	795	2	0	21	0	0	0	933	4204	944
SWEDEN	0	0	0	0	251	0	0	0	0	0	0	0	27	0	0
SWITZERLAND	86	0	0	365	780	32	314	110	0	0	0	1	441	1839	0
TURKEY	21	159	55	359	64	0	158	1757	0	0	0	0	0	0	0
UNITED KINGDOM	21	119	208	1384	847	546	1108	1137	287	0	0	0	312	205	0
OTHER COUNTRIES	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL WESTERN EUROPE	**812**	**793**	**340**	**8657**	**5892**	**3159**	**5069**	**5715**	**2880**	**0**	**0**	**1**	**3750**	**11721**	**3536**
BULGARIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
HUNGARY	0	0	0	34	0	0	0	0	0	0	0	0	0	0	0
POLAND	24	0	0	0	0	0	0	0	0	0	0	0	35	38	114
YUGOSLAVIA	0	0	0	126	0	0	0	0	0	0	0	0	169	37	0
TOTAL EASTERN EUROPE	**24**	**0**	**0**	**160**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**204**	**75**	**114**
U.S.A.	**1950**	**2995**	**1110**	**123929**	**6477**	**3714**	**12996**	**7379**	**1210**	**4529**	**371**	**1**	**27669**	**28130**	**9573**
CANADA	**61**	**65**	**10**	**7129**	**5968**	**1180**	**534**	**1929**	**638**	**0**	**0**	**0**	**4**	**28**	**88**
ARGENTINA	196	0	20	201	4443	223	0	18	0	6505	8449	2331	4516	7314	987
BOLIVIA	12	0	12	36	36	27	0	0	0	0	0	0	2181	4546	1213
BRAZIL	242	214	7	288	0	32	342	287	305	683	685	382	730	2658	81
CAYMAN ISLANDS	0	0	0	4166	7661	3639	2974	8479	3485	0	0	0	0	0	0
CHILE	30	17	37	142	40	0	110	96	21	846	2165	705	2627	6035	2339
COLOMBIA	0	42	19	0	6	369	199	264	164	0	0	0	3238	3498	1504
COSTA RICA	24	19	6	552	268	232	46	169	81	129	167	64	0	835	734
CUBA	34	0	0	0	11	0	353	4	19	0	0	0	47	407	0
ECUADOR	0	0	5	38	507	181	335	228	318	0	0	0	4579	8343	2623
EL SALVADOR	0	2	3	2441	2165	2551	2850	2864	1047	22	21	0	175	41	637
GUATEMALA	163	383	11	5125	5876	4632	595	439	173	43	42	39	4843	4029	966
HONDURAS	0	0	0	94	122	36	147	88	28	161	213	42	21	0	45
NICARAGUA	0	2	0	12	1	0	0	4	0	173	237	0	0	0	0
PANAMA	0	0	0	10	0	0	14	20	0	43	39	42	0	0	0
PARAGUAY	0	0	0	0	0	0	0	0	0	132	0	0	0	0	0
PERU	0	0	0	0	0	0	0	7	82	0	0	0	101	2827	2410
PUERTO RICO	0	0	0	0	1	0	84	50	0	0	0	0	0	0	0
URUGUAY	50	31	0	0	0	0	1	4	0	453	626	90	713	1372	290
VENEZUELA	5	19	1	0	10	41	166	7	0	0	5	0	686	726	401
OTHER COUNTRIES	0	0	0	0	0	0	37	76	21	0	0	0	0	0	0
TOTAL OTHER AMERICAS	**756**	**729**	**121**	**13105**	**21147**	**11963**	**8253**	**13104**	**5744**	**9190**	**12649**	**3695**	**24457**	**42631**	**14230**

See footnotes opposite.

TABLE 10:
SELECTED MEXICAN EXPORTS BY COUNTRY OF DESTINATION: 1990 TO 1992 *(CONTINUED)*
THOUSAND POUNDS

	A. ARTIFICIAL (CELL.) YARN, MONOFIL & STRIPS			B. SYNTHETIC (NONCELL.) TEXTILE YARN			C. SYNTHETIC (NONCELL.) INDUSTRIAL YARN, MONOFIL & STRIPS			D. ARTIFICIAL (CELL.) STAPLE+TOW+TOPS			E. SYNTHETIC (NONCELL.) STAPLE+TOW+TOPS		
COUNTRY	1990	1991	5 MOS. 1992	1990	1991	5 MOS. 1992	1990	1991	5 MOS. 1992	1990	1991	5 MOS. 1992	1990	1991	5 MOS. 1992
HONG KONG	14	0	19	0	21	0	79	217	0	0	0	0	1001	1517	4956
INDIA	0	0	0	0	0	0	0	0	0	0	0	0	0	38	0
INDONESIA	0	0	0	216	0	0	1526	0	1334	0	0	0	0	0	0
KOREA, DEM. REP. OF	0	763	625	0	1119	209	0	1399	995	0	0	0	0	0	0
KOREA, REP. OF	618	155	0	1077	271	0	31	281	0	0	0	0	0	0	0
MALAYSIA	0	0	0	0	1	0	0	8	0	0	0	0	0	0	0
PAKISTAN	0	0	0	0	0	0	0	0	0	0	0	0	689	3201	293
PHILIPPINES	0	0	0	0	0	0	42	58	67	0	0	0	0	0	0
TAIWAN	37	0	0	0	0	0	0	0	264	980	342	0	3457	7674	0
TOTAL OTHER ASIA	**669**	**918**	**644**	**1233**	**1412**	**209**	**1678**	**1963**	**2660**	**980**	**342**	**0**	**5147**	**12430**	**5249**
CHINA, PRC	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1623**	**6228**	**7**	**0**	**44**	**659**
JAPAN	**4**	**0**	**0**	**0**	**0**	**0**	**21**	**0**	**7**	**0**	**0**	**0**	**440**	**337**	**4455**
ALGERIA	8113	1904	0	5594	1207	0	0	669	2257	0	0	0	430	2832	110
AUSTRALIA	325	325	66	1277	1049	227	238	6	876	2	0	0	33	56	0
BURMA	0	0	0	0	0	0	0	0	0	0	0	0	0	47	0
CYPRUS	0	0	0	0	0	0	0	0	0	0	0	0	0	314	0
ETHIOPIA	0	0	0	78	0	0	0	0	0	0	0	0	45	0	0
IRAQ	0	0	0	0	0	0	0	0	0	0	0	0	2448	0	0
ISRAEL	29	0	0	801	1307	394	33	37	0	0	0	0	0	0	0
IVORY COAST	27	56	0	0	0	0	0	0	0	0	0	0	0	0	0
JORDAN	0	0	0	0	64	0	0	0	0	0	0	0	0	0	0
MOROCCO	621	453	438	3715	6222	2296	116	339	481	0	0	0	284	238	283
NEW ZEALAND	15	12	0	13	37	9	0	0	0	0	0	0	0	17	0
NIGERIA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SAUDI ARABIA	0	0	0	0	0	0	0	0	0	0	0	0	0	31	0
SOUTH AFRICA	0	0	0	0	30	0	0	0	0	0	0	0	0	0	0
SYRIA	0	57	38	0	0	0	0	34	0	0	0	0	0	0	0
TUNISIA	0	0	0	338	0	0	0	0	0	0	0	0	44	0	0
OTHER COUNTRIES	27	0	0	0	0	44	0	0	43	0	42	0	0	0	0
TOTAL M.E., A., & O.	**9157**	**2807**	**542**	**11816**	**9916**	**2970**	**387**	**1085**	**3657**	**2**	**42**	**0**	**3284**	**3535**	**393**
GRAND TOTAL	**13433**	**8307**	**2767**	**166089**	**50812**	**23195**	**28938**	**31175**	**16796**	**16324**	**19632**	**3704**	**64955**	**98931**	**38297**

SOURCE: SECOFI, Secretariat de Commercial E Fomento Industrial

The Harmonized Tariff Schedule numbers are:

A. 5403.10.00.00, 5403.10.30.20, 5403.10.30.40, 5403.10.60.00, 5403.20.00.00, 5403.20.30.00, 5403.20.60.00, 5403.31.10.00 - 5403.39.00.40, 5403.41.00.00 - 5403.49.00.00, 5405.00.30.00 & 5405.00.60.00.

B. 5402.31.00.00, 5402.31.30.00, 5402.31.60.00, 5402.32.00.00, 5402.32.20.00, 5402.32.60.00, 5402.41.00.10, 5402.33.00.00, 5402.33.30.00, 5402.33.60.00, 5402.42.00.00, 5402.39.00.00, 5402.39.30.10, 5402.39.30.90, 5402.39.60.10 & 5402.39.60.90.

C. 5402.10.00.00, 5402.10.30.20, 5402.10.30.40, 5402.10.60.00, 5402.41.00.20, 5402.41.00.30, 5402.41.00.40, 5402.41.00.60, 5402.51.00.00, 5402.61.00.00, 5404.10.20.20, 5402.20.00.00, 5402.20.30.20, 5402.20.30.40, 5402.20.60.00, 5402.43.00.20, 5402.43.00.30, 5402.43.00.40, 5402.43.00.60, 5402.52.00.00, 5402.62.00.00, 5404.10.20.40, 5402.49.00.10, 5402.49.00.50, 5402.49.00.70, 5402.49.00.80, 5402.59.00.00, 5402.69.00.00, 5404.10.10.00, 5404.10.20.90 & 5404.90.00.00.

D. 5504.10.00.00, 5504.90.00.00, 5502.00.00.00 & 5507.00.00.00.

E. 5503.10.00.00, 5503.20.00.00, 5503.30.00.00, 5503.40.00.00, 5503.90.00.00, 5501.10.00.00, 5501.20.00.00, 5501.30.00.00, 5501.90.00.00, 5506.10.00.00, 5506.20.00.00, 5506.30.00.00 & 5506.90.00.00.

TABLE 11:
SELECTED MEXICAN MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN: 1989 TO 1992

THOUSAND POUNDS

	1989	1990	1991	5 MOS. 1992
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS				
GERMANY	15	11	55	28
HONG KONG	12	839	402	0
ITALY	51	159	27	2
JAPAN	127	252	73	91
SPAIN	250	1	0	0
TAIWAN	157	120	106	73
U.S.A.	218	549	589	205
OTHER COUNTRIES	25 [a]	88 [a]	175 [a]	184 [a]
TOTAL ARTIFICIAL YARN, MONOFIL & STRIPS	**855**	**2019**	**1427**	**583**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS				
BRAZIL	155	21	0	2
CANADA	194	345	309	393
FINLAND	2003	4461	5591	434
GERMANY	388	405	130	20
ITALY	768	980	75	0
JAPAN	1907	1382	2176	891
SPAIN	4	26	38	15
SWEDEN	0	74	404	161
TAIWAN	436	100	735	0
THAILAND	0	3817	5160	1146
UNITED KINGDOM	1207	1952	1143	517
U.S.A.	9912	9552	6676	1756
YUGOSLAVIA	0	1853	782	0
OTHER COUNTRIES	329 [b]	596 [b]	208 [b]	49 [b]
TOTAL ARTIFICIAL STAPLE+TOW+TOPS	**17303**	**25564**	**23427**	**5384**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS				
CANADA	222	252	651	275
COLOMBIA	255	123	4	0
FRANCE	3	38	599	187
GERMANY	320	251	202	120
ITALY	55	136	926	377
JAPAN	306	302	220	99
KOREA, REP. OF	747	703	342	0
SWITZERLAND	23	190	504	1
TAIWAN	24	25	22	1232
UNITED KINGDOM	528	152	305	45
U.S.A.	6119	10121	18949	7963
OTHER COUNTRIES	196 [c]	102 [c]	869 [c]	2235 [c]
TOTAL SYNTHETIC YARN, MONOFIL & STRIPS	**8798**	**12395**	**23593**	**12534**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS				
ARGENTINA	0	1396	2	1
AUSTRIA	69	140	220	150
BELGIUM	34	175	81	502
CANADA	646	4109	6924	1017
DENMARK	89	263	495	508
FRANCE	385	82	205	73
GERMANY	1442	2337	2374	1465
HONG KONG	49	334	0	0
ITALY	17	172	181	191
JAPAN	48	380	689	1544
KOREA, DEM. REP. OF	0	198	3734	6279
KOREA, REP. OF	49	331	255	0
NETHERLANDS	0	454	108	0
SPAIN	10	163	83	215
UNITED KINGDOM	22	144	110	8
U.S.A.	25428	29597	30725	14860
OTHER COUNTRIES	196 [d]	346 [d]	414 [d]	10 [d]
TOTAL SYNTHETIC STAPLE+TOW+TOPS	**28484**	**40621**	**46600**	**26823**

SOURCE: SECOFI, Secretariat de Commercial E Fomento Industrial

The 1989 to 1992 To Date total for Other Countries consists of the following:

a. **For 1989:** Singapore 13, Korea, Rep. of 7, France 2, United Kingdom 2, Brazil 1.
For 1990: India 40, China, PRC 39, Austria 8, Canada 1.
For 1991: Brazil 156, Austria 11, Ecuador 2, France 2, Korea, Rep. of 2, Australia 1, Canada 1.
For 1992: Sweden 90, Brazil 76, Indonesia 18.

b. **For 1989:** New Guinea 129, Hong Kong 126, Cambodia 48, Belgium 22, Switzerland 2, France 1, European Low Countries 1.
For 1990: Korea, Rep. of 217, Austria 174, Zaire 93, Cambodia 44, Romania 37, Switzerland 26, Belgium 4, France 1.
For 1991: Korea, Dem. Rep. of 165, Czechoslovakia 40, France 3.
For 1992: Korea, Dem. Rep. of 47, Cuba 1, France 1.

c. **For 1989:** Spain 46, Korea, Dem. Rep. of 40, Dominica Islands 36, Brazil 17, Venezuela 15, Argentina 14, Sweden 12, Panama 11, Ireland 4, Togo 1.
For 1990: Brazil 73, Austria 13, Spain 12, Sweden 3, Argentina 1.
For 1991: Korea, Dem. Rep. of 476, Hong Kong 185, Spain 117, Brazil 54, Netherlands 20, Sweden 11, Israel 3, Austria 2, Belgium 1.
For 1992: Brazil 1480, Korea, Dem. Rep. of 630, Costa Rica 68, Hong Kong 36, Denmark 10, Spain 6, Sweden 4, Austria 1.

d. **For 1989:** Switzerland 60, Venezuela 57, Czechoslovakia 39, Brazil 36, European Low Countries 4.
For 1990: Taiwan 262, Ireland 38, Venezuela 36, Switzerland 8, Czechoslovakia 2.
For 1991: Chile 340, Taiwan 52, Venezuela 13, Switzerland 8, Colombia 1.
For 1992: Norway 5, Brazil 3, Switzerland 2.

TABLE 12:
SELECTED U.S. MANUFACTURED FIBER IMPORTS BY COUNTRY OF ORIGIN: 1992

THOUSAND POUNDS

	1992												YEAR TO DATE	
ITEMS & COUNTRY	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) YARN, MONOFIL & STRIPS														
AUSTRIA	157	66	48	15	40	40	1	0					367	586
BELGIUM	100	0	98	64	280	125	107	37					811	214
BRAZIL	54	105	79	78	78	132	319	128					973	488
CANADA	1201	1053	1475	1499	1292	1156	1594	1515					10785	6215
FRANCE	2	11	5	9	7	2	2	2					40	15
GERMANY	736	951	412	531	479	350	496	744					4699	4500
JAPAN	176	77	161	210	132	161	251	187					1355	987
MEXICO	107	70	105	105	75	65	54	65					646	832
NETHERLANDS	254	262	157	145	198	72	205	191					1484	1741
UNITED KINGDOM	383	297	416	325	394	382	45	4					2246	713
ALL OTHER COUNTRIES	6	0	15	24	5	7	29	36					122[a]	682
TOTAL ARTIFICIAL YARN	**3176**	**2892**	**2971**	**3005**	**2980**	**2492**	**3103**	**2909**					**23528**	**16973**
ARTIFICIAL (CELLULOSIC) STAPLE+TOW+TOPS														
AUSTRIA	1567	1396	1473	1104	1319	1325	820	1091					10095	10841
CANADA	4675	4144	4333	4376	4540	4013	2663	2806					31550	24320
FINLAND	424	744	473	855	1753	373	352	189					5163	2528
GERMANY	41	38	0	64	38	7	71	0					259	904
JAPAN	85	25	68	69	21	15	67	73					423	846
SWEDEN	112	106	223	77	70	111	195	248					1142	741
TAIWAN	220	0	287	441	954	616	441	0					2959	9421
THAILAND	189	189	186	134	99	49	49	836					1731	3572
UNITED KINGDOM	702	322	456	425	75	45	479	790					3294	2405
YUGOSLAVIA	298	0	128	256	42	256	0	0					980	4941
ALL OTHER COUNTRIES	371	435	498	141	3	67	164	54					1733[b]	2412
TOTAL ART. STAPLE+TOW+TOPS	**8684**	**7399**	**8125**	**7942**	**8914**	**6877**	**5301**	**6087**					**59329**	**62931**
SYNTHETIC (NONCELLULOSIC) YARN, MONOFIL & STRIPS														
BELGIUM	3	39	31	34	46	94	293	14					554	664
CANADA	4980	3862	3597	6272	5820	5154	5586	5408					40701	35528
COSTA RICA	486	465	393	754	583	679	707	609					4675	4511
FRANCE	1128	435	656	570	771	935	684	1076					6255	6365
GERMANY	1433	2244	1807	2114	1831	2407	2532	2768					17136	14889
IRELAND	78	105	334	167	148	162	139	156					1289	1361
ISRAEL	294	338	210	191	334	277	303	300					2247	1094
ITALY	209	113	119	90	170	204	243	440					1588	853
JAPAN	1687	1635	1595	1419	1574	1478	1727	1493					12608	9634
KOREA, REP. OF	179	58	159	161	198	197	113	251					1316	779
MEXICO	1047	1554	1449	1474	1409	1612	1740	1820					12105	10568
NETHERLANDS	412	362	667	279	512	254	606	460					3552	2541
SOUTH AFRICA	543	331	475	360	571	790	1283	760					5113	0
SPAIN	20	184	81	40	62	80	26	88					581	2
SWITZERLAND	49	48	161	49	88	11	8	5					419	88
TAIWAN	680	547	37	132	230	383	381	450					2840	979
THAILAND	107	79	109	94	126	100	95	64					774	627
TURKEY	16	26	34	43	57	94	30	40					340	1121
UNITED KINGDOM	2218	2464	3076	2480	1882	1962	2665	2450					19197	15581
ALL OTHER COUNTRIES	199	289	60	302	157	1034	1261	107					3409[c]	1542
TOTAL SYNTHETIC YARN	**15767**	**15128**	**15050**	**17025**	**16569**	**17907**	**20424**	**18759**					**136699**	**108527**
SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+TOPS														
AUSTRALIA	31	24	50	33	81	25	44	69					357	414
AUSTRIA	22	13	12	23	10	1	15	19					115	74
CANADA	3647	4089	5469	3288	3744	4478	3609	4075					32399	14210
FRANCE	551	409	401	558	218	508	311	490					3446	3257
GERMANY	1983	2109	2302	2839	1786	3247	1284	1624					17174	13562
INDIA	93	47	262	1078	67	22	4	0					1573	9279
IRELAND	468	43	427	258	274	397	560	774					3201	1553
ITALY	291	56	28	127	232	470	204	178					1586	793
JAPAN	2184	3017	2863	3040	2902	2483	2633	2968					22090	17363
KOREA, REP. OF	7466	4228	9395	10932	9026	8618	11039	11571					72275	50506
MEXICO	1981	1579	1690	2413	2790	3269	2072	2066					17860	16458
SPAIN	62	64	104	209	162	60	53	105					819	328
SWITZERLAND	364	144	234	416	242	512	310	324					2546	1961
TAIWAN	4520	5903	5818	6736	5351	6245	5975	6926					47474	23548
TURKEY	127	240	491	40	130	302	608	85					2023	366
UNITED KINGDOM	1444	1677	1439	1742	1713	1361	1928	1645					12949	10682
ALL OTHER COUNTRIES	284	80	81	556	169	36	135	870					2211[d]	2667
TOTAL SYN. STAPLE+TOW+TOPS	**25518**	**23722**	**31066**	**34288**	**28897**	**32034**	**30784**	**33789**					**240098**	**167021**

SOURCE: U.S. Census Bureau Report IM145X

The 1992 To Date total for All Other Countries consists of the following:

[a] Italy 57, Korea, Rep. of 44, India 13, Taiwan 3, Uruguay 3, China, PRC 1, Thailand 1.

[b] Spain 755, Brazil 571, Poland 88, Belgium 86, China, PRC 66, Czechoslovakia 60, France 45, C.I.S. 39, India 20, Italy 3.

[c] India 2097, Australia 314, Egypt 247, Portugal 180, Austria 97, Brazil 91, Czechoslovakia 73, Romania 66, Honduras 59, Denmark 55, Hong Kong 32, Sweden 28, Poland 21, C.I.S. 19, Yugoslavia 17, China, PRC 4, Colombia 3, Greece 3, Pakistan 2, Argentina 1.

[d] Denmark 544, China, PRC 443, Israel 283, Colombia 247, Malaysia 220, Hong Kong 79, Hungary 78, Brazil 75, Romania 65, Belgium 56, Czechoslovakia 53, South Africa 46, C.I.S. 15, Netherlands 5, Poland 2, Sweden 1.

TABLE 13:
U.S. MANUFACTURED FIBER IMPORTS[a]: 1992
THOUSAND POUNDS

ITEM	1992												YEAR TO DATE	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1992	1991
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	528	848	202	342	334	265	329	550					3407	1670
TEXTURED	0	0	13	0	0	1	0	0					14	5
OTHER	2637	2044	2756	2662	2644	2226	2772	2347					20088	15285
MONOFILAMENTS & STRIPS	11	0	0	1	2	0	2	3					19	13
SUBTOTAL ABOVE	**3176**	**2892**	**2971**	**3005**	**2980**	**2492**	**3103**	**2900**					**23528**	**16973**
STAPLE	8581	7288	7938	7753	8799	6719	5066	5893					58037	62001
TOW	103	111	187	189	114	153	234	194					1285	930
TOPS	0	0	0	0	1	5	1	0					7	0
SUBTOTAL ABOVE	**8684**	**7399**	**8125**	**7942**	**8914**	**6877**	**5301**	**6087**					**59329**	**62931**
WASTE	**0**	**46**	**47**	**34**	**0**	**22**	**22**	**62**					**233**	**1773**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	913	980	950	1250	1113	689	1003	1126					8024	14263
TEXTURED														
UP TO 450 DENIER	411	517	424	475	644	581	682	595					4329	2716
OVER 450 DENIER	3249	1978	1764	3385	3059	3661	3646	3557					24299	19273
POY	2498	3305	3987	3561	3080	3013	3643	3717					26804	19658
OTHER	2245	1850	1791	2394	2497	2330	2442	2353					17902	12563
MONOFILAMENTS & STRIPS	172	165	112	183	188	159	195	66					1240	957
SUBTOTAL ABOVE	**9468**	**8795**	**9028**	**11246**	**10581**	**10433**	**11611**	**11414**					**82598**	**69430**
POLYESTER														
HIGH TENACITY	1142	1602	1593	1524	1642	1501	2116	1996					13116	4713
TEXTURED	630	854	835	1106	677	734	635	755					6226	4782
POY	728	634	302	621	476	1655	2041	982					7439	2010
OTHER	1229	1433	1192	885	946	1758	1580	1421					10444	12443
MONOFILAMENTS & STRIPS	38	75	29	38	100	114	332	18					744	473
SUBTOTAL ABOVE	**3767**	**4598**	**3951**	**4174**	**3841**	**5762**	**6704**	**5172**					**37969**	**24421**
OTHER SYNTHETIC FILAMENT														
TEXTURED	212	93	72	119	203	93	121	116					1029	1227
OTHER	1496	1096	1231	965	1367	1076	1432	1337					10000	8790
MONOFILAMENTS & STRIPS	804	616	768	519	577	543	556	720					5103	4659
SUBTOTAL ABOVE	**2512**	**1805**	**2071**	**1603**	**2147**	**1712**	**2109**	**2173**					**16132**	**14676**
STAPLE														
NYLON	2554	2136	3403	2803	2386	2952	2783	3401					22418	16814
POLYESTER	17422	15430	20302	24558	20654	22705	22084	24561					167716	113720
ACRYLIC	1607	1450	2326	2048	1152	1970	1514	1339					13406	9436
POLYPROPYLENE	168	77	268	340	183	141	178	653					2008	3568
OTHER	265	320	258	182	713	519	322	338					2917	2161
TOW														
NYLON	701	503	688	883	460	583	438	793					5049	3749
POLYESTER	35	78	122	0	56	92	307	71					761	787
ACRYLIC	2009	2686	2324	2657	2309	1693	2058	1859					17595	15864
OTHER	0	39	22	0	55	81	13	25					235	130
TOPS	757	1003	1353	817	929	1298	1087	749					7993	792
SUBTOTAL ABOVE	**25518**	**23722**	**31066**	**34288**	**29697**	**32034**	**30784**	**33789**					**240098**	**167021**
WASTE														
NYLON	791	1083	1481	1594	1750	1285	2042	2424					12450	13730
POLYESTER	1022	1149	1194	679	872	1128	1213	1169					8426	8855
OTHER	606	633	661	946	780	726	704	766					5857	4261
TOTAL MANUFACTURED FIBERS ABOVE	**55564**	**52122**	**60615**	**65513**	**60775**	**62471**	**63593**	**65967**					**486620**	**384071**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	251	136	213	153	191	196	106	194					1440	992
SPUN YARN	318	277	317	643	706	607	871	612					4351	4519
SPUN YARNS														
SYNTHETIC	922	559	702	621	1075	846	700	707					6132	4997
ARTIFICIAL	0	0	0	0	0	0	0	0					0	0
PUT UP FOR RETAIL SALE	48	28	20	41	33	68	49	34					321	492
GRAND TOTAL ABOVE	**57103**	**53122**	**61867**	**66971**	**62780**	**64186**	**65319**	**67514**					**498864**	**395071**

SOURCE: U.S. Census Bureau Report IM145X

a. U.S. General Imports.

TABLE 14:
U.S. MANUFACTURED FIBER EXPORTS: 1992
THOUSAND POUNDS

ITEM	1992 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE 1992	1991
ARTIFICIAL (CELLULOSIC) FIBER														
FILAMENT YARN														
HIGH TENACITY	13	1	1	0	22	33	15	24					109	1181
TEXTURED	7	61	13	37	29	9	31	17					204	825
OTHER	247	176	191	228	36	21	136	41					1076	1057
MONOFILAMENTS & STRIPS	19	42	100	47	37	56	34	11					346	168
SUBTOTAL ABOVE	**286**	**280**	**305**	**312**	**124**	**119**	**216**	**93**					**1735**	**3231**
STAPLE	1371	1087	1047	1643	1194	928	467	927					8664	9904
TOPS	1910	479	218	19	0	0	0	46					2672	333
SUBTOTAL ABOVE	**3281**	**1566**	**1265**	**1662**	**1194**	**928**	**467**	**973**					**11336**	**10237**
WASTE	**229**	**656**	**526**	**574**	**1346**	**600**	**400**	**835**					**5167**	**5826**
SYNTHETIC (NONCELLULOSIC) FIBERS														
FILAMENT YARN														
NYLON														
HIGH TENACITY	4619	5521	5465	5135	5160	2995	2991	3555					35441	58743
TEXTURED														
UP TO 450 DENIER	923	786	816	634	636	991	683	878					6347	9317
OVER 450 DENIER	6214	4125	4665	3499	3595	2975	3029	4124					32226	29276
POY	52	80	198	144	209	184	131	414					1412	327
OTHER	3119	3582	3893	2738	3030	3424	2506	4115					26407	25755
MONOFILAMENTS & STRIPS	29	32	29	128	157	76	168	211					830	271
SUBTOTAL ABOVE	**14956**	**14126**	**15066**	**12278**	**12787**	**10645**	**9508**	**13297**					**102663**	**123689**
POLYESTER														
HIGH TENACITY	4556	3556	4228	3783	3372	3774	2402	3676					29347	45232
TEXTURED	5546	6616	8101	7258	6149	6556	3502	6266					49994	42220
POY	884	1205	1232	1411	1650	1454	646	1436					9918	9500
OTHER	629	768	745	612	708	577	704	597					5340	18716
MONOFILAMENTS & STRIPS	113	95	99	337	391	103	131	100					1369	2066
SUBTOTAL ABOVE	**11728**	**12240**	**14405**	**13401**	**12270**	**12464**	**7385**	**12075**					**95968**	**117734**
OTHER SYNTHETIC FILAMENT														
TEXTURED	596	338	407	281	479	458	366	278					3203	4448
OTHER	1569	1395	2521	2129	2517	2368	2202	1876					16577	16524
MONOFILAMENTS & STRIPS	967	954	1275	1495	1365	1311	1043	816					9226	9534
SUBTOTAL ABOVE	**3132**	**2687**	**4203**	**3905**	**4361**	**4137**	**3611**	**2970**					**29006**	**30506**
STAPLE														
NYLON	2465	2456	2976	2523	3131	2436	2436	1791					20214	17270
POLYESTER	7763	8890	7719	7642	7420	9493	7258	6925					63110	71716
ACRYLIC	1251	1310	1982	2654	2524	3457	1799	3052					18029	19145
POLYPROPYLENE	3041	3740	5748	3109	5461	4986	4765	4245					35095	21572
OTHER	454	266	323	262	394	326	317	90					2432	9403
TOW														
NYLON	340	361	359	315	282	219	337	372					2585	1210
POLYESTER	108	7	43	40	30	79	57	123					487	367
ACRYLIC	556	557	630	428	2448	732	2237	1726					9314	6033
OTHER	1	16	4	1	4	4	28	5					63	443
TOPS	9392	6332	3304	3984	2317	2380	2321	2981					33011	55281
SUBTOTAL ABOVE	**25371**	**23935**	**23088**	**20958**	**24011**	**24112**	**21555**	**21310**					**184340**	**202440**
WASTE														
NYLON	2800	2293	1940	2183	1831	2199	1369	1740					16355	21101
POLYESTER	3787	4239	4659	2716	3509	4992	3831	3697					31430	27196
OTHER	6168	5955	5627	5193	6637	4921	4496	5431					44428	54266
TOTAL MANUFACTURED FIBERS ABOVE	**71738**	**67977**	**71086**	**63182**	**68069**	**65117**	**52838**	**62421**					**522428**	**596226**
OTHER MFRD. FIBER YARN & THREAD														
SEWING THREAD														
FILAMENT	610	560	819	455	571	1041	893	447					5396	8009
SPUN YARN	278	1332	635	3130	2646	1257	2644	1126					13048	3272
SPUN YARNS														
SYNTHETIC	2140	1933	2542	1301	1799	1385	1434	1641					14175	11277
ARTIFICIAL	526	355	508	312	579	314	268	426					3288	2365
PUT UP FOR RETAIL SALE	2727	2230	3082	2318	2707	817	698	864					15443	21392
GRAND TOTAL ABOVE	**78019**	**74387**	**78672**	**70698**	**76371**	**69931**	**58775**	**66925**					**573778**	**642541**

SOURCE: U.S. Census Bureau Report EM522

TABLE 15:
U.S. MANUFACTURED FIBER IMPORTS[a]: 1989 TO 1992

ITEM	THOUSAND POUNDS 1989	1990	1991	6 MOS. 1992	THOUSAND DOLLARS 1989	1990	1991	6 MOS. 1992
ARTIFICIAL (CELLULOSIC) FIBER								
FILAMENT YARN								
HIGH TENACITY	2456	2407	3792	2519	6366	6814	9610	5099
TEXTURED	1380	364	35	14	1776	570	80	26
OTHER	21400	20744	26940	14969	42097	46855	55578	32117
MONOFILAMENTS & STRIPS	1022	641	22	14	2089	1013	271	117
SUBTOTAL ABOVE	**26258**	**24156**	**30789**	**17516**	**52328**	**55252**	**65539**	**37359**
STAPLE	53140	106132	90755	47078	50107	116911	101468	51576
TOW	800	5436	1264	857	1004	6820	1384	750
TOPS	55	7	7	6	148	15	34	24
SUBTOTAL ABOVE	**53995**	**111575**	**92026**	**47941**	**51259**	**123746**	**102886**	**52350**
WASTE	**574**	**471**	**1939**	**149**	**206**	**311**	**754**	**92**
SYNTHETIC (NONCELLULOSIC) FIBERS								
FILAMENT YARN								
NYLON								
HIGH TENACITY	19511	15228	18618	5895	36494	31974	46520	21553
TEXTURED								
UP TO 450 DENIER	3550	3569	4399	3052	8844	9691	13676	9744
OVER 450 DENIER	14098	28363	33957	17096	16308	38036	47289	25945
POY	0	11756	30553	19444	0	22498	54274	35373
OTHER	47182	21786	23145	13107	77096	40907	48645	28995
MONOFILAMENTS & STRIPS	1303	1592	1476	979	4983	6378	5994	3940
SUBTOTAL ABOVE	**85644**	**82274**	**112148**	**59573**	**143725**	**149484**	**216398**	**125550**
POLYESTER								
HIGH TENACITY	7810	6043	8325	9004	11120	8939	10668	12798
TEXTURED	18939	10562	7714	4836	20716	12518	9439	5970
POY	16274	4755	3195	4416	13290	4341	4383	4421
OTHER	18931	19917	20040	7443	30409	34878	35471	12942
MONOFILAMENTS & STRIPS	737	653	686	394	1642	1596	1637	973
SUBTOTAL ABOVE	**62691**	**41930**	**39960**	**26093**	**77177**	**62272**	**61598**	**37104**
OTHER SYNTHETIC FILAMENT								
TEXTURED	19246	20537	1551	792	21603	22018	1482	697
OTHER	7774	3365	13721	7231	22532	7287	53478	22905
MONOFILAMENTS & STRIPS	6890	6568	7413	3827	23405	37246	45854	18963
SUBTOTAL ABOVE	**33910**	**30470**	**22685**	**11850**	**67540**	**66551**	**100814**	**42565**
STAPLE								
NYLON	21711	35929	27669	16234	29771	44018	38309	23026
POLYESTER	117697	122162	178783	121071	84212	72656	101828	67426
ACRYLIC	17937	16745	14819	10553	19176	17237	16366	10538
POLYPROPYLENE	2093	1610	3982	1177	1942	1646	3621	1014
OTHER	4373	3211	3459	2257	6558	6096	6524	3991
TOW								
NYLON	4493	5283	6171	3818	4930	5872	7904	4814
POLYESTER	969	942	1006	383	1185	1090	1119	411
ACRYLIC	19583	21156	23216	13678	23618	23145	30336	18241
OTHER	584	571	167	197	630	1343	585	169
TOPS	2977	2151	3837	6157	6027	3863	4232	5588
SUBTOTAL ABOVE	**192417**	**209760**	**263109**	**175525**	**178049**	**176966**	**210824**	**135218**
WASTE								
NYLON	23982	21355	20110	7984	7828	7455	6668	2272
POLYESTER	17038	24563	13119	6044	4766	6465	2732	981
OTHER	7001	8615	7090	4385	1744	2109	1524	918
TOTAL MANUFACTURED FIBERS ABOVE	**503510**	**555169**	**602975**	**357060**	**584620**	**650611**	**769737**	**434409**
OTHER MFRD. FIBER YARN & THREAD								
SEWING THREAD								
FILAMENT	1375	1082	1687	1140	7184	6866	10026	9034
SPUN YARN	5129	5677	6620	2868	15736	18828	20535	8824
SPUN YARNS								
SYNTHETIC	48773	23391	7354	4725	80416	42482	10765	8096
ARTIFICIAL	0	0	0	0	0	0	0	0
PUT UP FOR RETAIL SALE	591	148	629	238	2696	551	4809	1963
GRAND TOTAL ABOVE	**559378**	**585467**	**619265**	**366031**	**690652**	**719358**	**815872**	**462326**

SOURCE: U.S. Census Bureau Report IM146

a. U.S. General Imports.

TABLE 16:
U.S. MANUFACTURED FIBER EXPORTS: 1989 TO 1992

ITEM	THOUSAND POUNDS 1989	1990	1991	6 MOS. 1992	THOUSAND DOLLARS 1989	1990	1991	6 MOS. 1992
ARTIFICIAL (CELLULOSIC) FIBER								
FILAMENT YARN								
HIGH TENACITY	956	1186	1515	70	1764	2087	3499	137
TEXTURED	1977	1460	1009	156	2198	2207	2178	497
OTHER	974	700	1458	899	1477	2123	3554	2165
MONOFILAMENTS & STRIPS	362	251	339	301	637	745	1615	1370
SUBTOTAL ABOVE	**4269**	**3597**	**4321**	**1426**	**6076**	**7162**	**10846**	**4169**
STAPLE	19196	15217	15286	7270	18713	14251	15062	6902
TOPS	895	1335	4470	2626	269	558	1334	697
SUBTOTAL ABOVE	**20091**	**16552**	**19756**	**9896**	**18982**	**14809**	**16396**	**7599**
WASTE	**11554**	**6228**	**8450**	**3932**	**5132**	**2915**	**3817**	**1273**
SYNTHETIC (NONCELLULOSIC) FIBERS								
FILAMENT YARN								
NYLON								
HIGH TENACITY	108014	124226	78649	28695	15495	168504	117690	55527
TEXTURED								
UP TO 450 DENIER	9182	11429	12839	4786	35982	56691	61783	25133
OVER 450 DENIER	50037	47573	45748	25073	92442	92083	82897	45037
POY	0	0	437	867	0	0	2967	3504
OTHER	25207	2[illegible]907	39728	19786	57969	66525	86385	46228
MONOFILAMENTS & STRIPS	1906	739	400	451	3345	1928	1439	1187
SUBTOTAL ABOVE	**194346**	**212864**	**177801**	**79658**	**344682**	**385731**	**353161**	**176616**
POLYESTER								
HIGH TENACITY	39124	51629	60578	23269	50197	66603	74986	27293
TEXTURED	33544	45715	58326	40226	45252	60744	75037	53153
POY	16687	16349	15090	7836	21369	15815	14073	7334
OTHER	10354	25677	28263	4039	15841	30480	35833	8055
MONOFILAMENTS & STRIPS	3187	2201	2846	1138	6648	4798	5804	2858
SUBTOTAL ABOVE	**102896**	**141571**	**165105**	**76508**	**139307**	**178440**	**205733**	**98693**
OTHER SYNTHETIC FILAMENT								
TEXTURED	9165	6552	7302	2559	15393	15230	16569	5233
OTHER	20443	25809	23142	12490	84570	85118	87913	45564
MONOFILAMENTS & STRIPS	8874	12203	14807	7367	27904	48442	53938	33404
SUBTOTAL ABOVE	**38482**	**44564**	**45251**	**22425**	**127867**	**148790**	**158420**	**84201**
STAPLE								
NYLON	32261	26044	28694	15987	38497	34837	48901	41536
POLYESTER	111985	82823	107469	48927	87131	56859	75887	35416
ACRYLIC	73604	49063	26649	13178	54364	33767	23790	11584
POLYPROPYLENE	27344	280[illegible]8	32794	26085	24140	31549	35077	17481
OTHER	19593	15496	11587	2025	62761	50663	48369	3983
TOW								
NYLON	992	1999	2067	1876	2375	3663	3338	4202
POLYESTER	4244	876	559	307	6650	1360	808	354
ACRYLIC	18532	21226	8065	5351	16092	18918	6958	4643
OTHER	1396	1637	563	30	3117	2843	1363	157
TOPS	32592	65983	93306	27709	35676	56207	84499	24177
SUBTOTAL ABOVE	**322545**	**293427**	**311943**	**141475**	**330803**	**290686**	**328990**	**143533**
WASTE								
NYLON	29594	40159	29198	13246	12816	19496	16018	6733
POLYESTER	41872	32682	44839	23902	18927	12139	14694	7020
OTHER	69923	62458	78458	34501	25073	25840	35308	16470
TOTAL MANUFACTURED FIBERS ABOVE	**835574**	**854102**	**865130**	**407169**	**1029675**	**1086017**	**1143383**	**546307**
OTHER MFRD. FIBER YARN & THREAD								
SEWING THREAD								
FILAMENT	732	550	11164	4056	3278	1893	37628	14260
SPUN YARN	0	0	5343	9278	0	0	12284	12747
SPUN YARNS								
SYNTHETIC	36078	49948	17323	11100	60269	81035	26458	16919
ARTIFICIAL	0	0	4186	2594	0	0	8004	4950
PUT UP FOR RETAIL SALE	7985	9744	32917	13881	13662	28981	61848	27397
GRAND TOTAL ABOVE	**880369**	**914344**	**956063**	**448078**	**1106884**	**1197926**	**1289605**	**622530**

SOURCE: U.S. Census Bureau Report EM522

TABLE 17:
SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION: 1990 TO 1992
THOUSAND POUNDS

	A. ARTIFICIAL (CELL.) YARN, MONOFIL & STRIPS			B. SYNTHETIC (NONCELL.) TEXTILE YARN			C. SYNTHETIC (NONCELL.) INDUSTRIAL YARN, MONOFIL & STRIPS			D. ARTIFICIAL (CELL.) STAPLE+TOPS			E. SYNTHETIC (NONCELL.) STAPLE+TOW+TOPS		
COUNTRY	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992
AUSTRIA	0	0	0	0	0	87	546	79	43	0	0	3	23	1	4
BELGIUM/ LUXEMBOURG	0	103	19	11810	10377	7045	39150	33456	13817	1524	140	0	11225	14210	6268
DENMARK	0	0	0	38	299	271	1518	1970	552	0	12	0	2	10	34
FINLAND	0	0	0	549	5	65	441	742	4	0	0	0	132	130	68
FRANCE	41	738	201	694	1697	2229	3057	3692	1525	23	303	1168	811	931	645
GERMANY	993	1458	2	4366	1824	1312	8299	9250	3274	202	65	183	1491	2766	1291
GREECE	0	0	2	142	273	352	212	8	11	0	0	0	12	98	101
ICELAND	0	0	0	0	0	0	299	87	44	0	0	0	39	25	0
IRELAND	306	357	22	4803	2980	3661	4096	13154	498	0	1570	110	535	389	2264
ITALY	30	44	69	1587	1367	984	10922	9096	479	28	59	3	2532	888	689
NETHERLANDS	206	35	0	396	762	80	7369	8540	4811	47	14	0	1654	2146	1374
NORWAY	0	0	0	10	0	0	203	341	352	0	0	0	53	62	12
PORTUGAL	0	0	0	399	739	440	2622	1101	425	0	0	0	260	1006	0
SPAIN	20	5	2	8419	10606	11985	8183	3907	398	0	79	4	1159	1448	282
SWEDEN	0	0	0	176	160	172	2200	952	452	3	5	0	657	305	50
SWITZERLAND	0	13	26	4	2	60	122	79	60	0	18	0	71	190	11
TURKEY	0	284	289	1880	4904	216	19090	10787	3631	182	0	0	3711	974	0
UNITED KINGDOM	155	9	6	7099	9509	6980	13930	13775	3932	118	2202	1816	3432	3627	1816
OTHER COUNTRIES	0	0	0	0	0	0	578	180	0	0	0	0	0	0	0
TOTAL WESTERN EUROPE	**1751**	**3046**	**638**	**42372**	**45504**	**35939**	**122846**	**111196**	**34308**	**2127**	**4467**	**3287**	**27799**	**29206**	**14919**
C.I.S.	0	0	0	2341	516	14	312	13	0	0	0	0	0	112	69
CZECHOSLOVAKIA	0	0	0	0	0	0	239	52	40	0	0	0	60	0	31
HUNGARY	0	0	0	0	0	0	0	1	0	0	0	0	0	313	273
POLAND	572	0	0	0	0	0	14	9	20	0	0	0	4395	4089	1396
YUGOSLAVIA	0	0	0	18	0	0	0	34	0	0	0	0	189	500	28
OTHER COUNTRIES	0	29	0	0	0	0	0	0	6	0	0	0	0	30	0
TOTAL EASTERN EUROPE	**572**	**29**	**0**	**2359**	**516**	**14**	**565**	**109**	**66**	**0**	**0**	**0**	**4644**	**5044**	**1797**
CANADA	**563**	**175**	**58**	**40356**	**39983**	**23484**	**29052**	**40346**	**19077**	**1509**	**1357**	**289**	**56445**	**61511**	**28802**
ARGENTINA	33	76	46	268	942	497	632	2138	1652	18	25	8	828	2268	173
BOLIVIA	0	0	0	38	52	72	0	65	41	0	0	0	0	3	142
BRAZIL	28	2	0	457	1169	188	4039	2904	1249	17	682	187	3640	8338	569
CHILE	6	3	0	447	700	366	529	687	445	14	55	10	12552	14980	9952
COLOMBIA	151	288	194	486	211	167	2108	1415	1337	1378	667	572	6950	10303	5194
COSTA RICA	0	1	0	248	202	259	698	406	274	4	0	0	7347	3665	1829
DOMINICAN REPUBLIC	2	19	3	446	316	601	773	1144	290	2	11	16	598	562	622
ECUADOR	1	36	0	746	980	407	592	387	93	231	336	0	6840	7504	3209
EL SALVADOR	0	4	1	258	649	205	47	237	37	0	81	0	10550	11452	3079
GUATEMALA	0	57	24	1165	2040	232	644	605	142	107	35	0	5251	6476	1896
HAITI	0	0	0	135	106	1	2	2	0	0	0	0	1	3	0
HONDURAS	0	1	0	124	963	611	163	46	7	0	76	0	2341	2165	1266
JAMAICA	0	0	3	19	8	18	655	271	309	0	0	0	62	315	9
MEXICO	269	191	77	3413	4567	3025	6050	8069	5741	8168	7444	2468	46314	26441	24884
PANAMA	0	0	0	7	5	0	16	64	49	0	83	12	106	143	114
PERU	0	0	0	337	165	122	218	1604	102	45	154	124	259	1139	800
TRINIDAD	35	0	0	58	21	3	9	113	5	0	0	0	10	61	25
URUGUAY	0	0	0	3	28	33	217	23	0	0	0	2	333	305	119
VENEZUELA	0	0	0	227	819	384	671	1739	3260	977	889	49	3345	6144	1606
OTHER COUNTRIES	2	0	0	19	26	1	357	159	59	0	9	19	56	422	55
TOTAL OTHER AMERICAS	**527**	**678**	**348**	**8901**	**13969**	**7192**	**18420**	**22078**	**15092**	**10961**	**10547**	**3467**	**107383**	**102689**	**55543**

See footnotes opposite

TABLE 17:
SELECTED U.S. EXPORTS BY COUNTRY OF DESTINATION: 1990 TO 1992 *(CONTINUED)*
THOUSAND POUNDS

COUNTRY	A. ARTIFICIAL (CELL.) YARN, MONOFIL & STRIPS			B. SYNTHETIC (NONCELL.) TEXTILE YARN			C. SYNTHETIC (NONCELL.) INDUSTRIAL YARN, MONOFIL & STRIPS			D. ARTIFICIAL (CELL.) STAPLE+TOPS			E. SYNTHETIC (NONCELL.) STAPLE+TOW+TOPS		
	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992	1990	1991	6 MOS. 1992
HONG KONG	75	2	6	121	2222	355	793	866	548	6	89	0	6556	6785	2501
INDIA	4	36	0	26	73	0	6524	863	210	0	168	102	2136	122	94
INDONESIA	0	0	0	0	34	15	23959	14593	8722	840	0	0	1847	3286	1396
KOREA, REP. OF	6	0	28	289	1070	96	4689	3942	1005	308	24	20	17652	11738	7157
MALAYSIA	0	1	0	0	0	0	36	119	108	0	46	0	21	178	185
PAKISTAN	77	197	266	0	4	0	234	243	763	556	59	0	833	1189	187
PHILIPPINES	0	0	0	107	90	15	461	861	211	23	155	12	295	1317	845
SINGAPORE	0	0	0	120	145	15	756	928	341	0	0	0	145	1324	644
TAIWAN	0	6	32	711	1234	281	6238	7743	3278	70	1392	2180	19652	13729	5885
THAILAND	0	0	0	182	81	127	1284	1416	1279	0	39	0	1449	2487	1881
TOTAL OTHER ASIA	**164**	**242**	**332**	**1556**	**4953**	**904**	**44974**	**31574**	**16465**	**1803**	**1972**	**2314**	**50586**	**42153**	**20775**
CHINA, PRC	**0**	**0**	**0**	**1223**	**964**	**0**	**1978**	**530**	**37**	**0**	**1110**	**523**	**23214**	**51141**	**8508**
JAPAN	**5**	**2**	**11**	**7067**	**11757**	**4229**	**13395**	**13022**	**2216**	**42**	**127**	**16**	**10104**	**8141**	**4191**
ALGERIA	0	0	0	638	16	81	777	1689	14	0	0	0	0	0	0
AUSTRALIA	15	0	0	11296	9446	5913	11554	9761	5625	48	128	0	4597	3919	1726
CAMEROON	0	0	0	93	144	0	0	0	6	0	0	0	0	0	0
EGYPT	0	0	0	2285	2156	297	2611	3242	1907	0	0	0	4022	5234	3255
ISRAEL	0	67	0	0	2085	1697	0	2004	1228	0	48	0	0	129	87
JORDAN	0	0	0	47	95	43	123	55	0	0	0	0	0	35	60
KENYA	0	0	0	0	0	0	0	1	0	0	0	0	44	0	1
LEBANON	0	7	0	0	53	21	2928	3	13	0	0	0	0	0	5
MOROCCO	0	0	0	1273	2008	536	9724	4892	78	31	0	0	515	0	643
NEW ZEALAND	0	0	0	493	350	134	1236	1182	569	0	0	0	245	686	256
NIGERIA	0	0	0	7	19	80	73	47	27	0	0	0	1198	105	0
SAUDI ARABIA	0	2	0	645	417	118	904	810	472	0	0	0	204	218	6
SOUTH AFRICA	0	1	0	108	49	101	9017	5240	214	31	0	0	1836	1398	818
SUDAN	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
SYRIA	0	72	0	6199	4851	444	94	100	0	0	0	0	0	0	18
TUNISIA	0	0	0	134	49	0	59	139	21	0	0	0	0	86	0
UNITED ARAB EMIRATES	0	0	0	0	3	0	69	4	5	0	0	0	11	50	0
OTHER COUNTRIES	0	◆	39	566	355	120	982	391	4	0	0	0	579	198	65
TOTAL M.E., A., & O.	**15**	**149**	**39**	**23784**	**22096**	**9585**	**40151**	**29560**	**10183**	**110**	**176**	**0**	**13252**	**12058**	**6940**
GRAND TOTAL	**3597**	**4321**	**1426**	**127618**	**139742**	**81347**	**271381**	**248415**	**97444**	**16552**	**19756**	**9896**	**293427**	**311943**	**141475**

SOURCE: U.S. Census Bureau Report EM546

◆ Less than 1 thousand pounds

The Harmonized Tariff Schedule numbers are:

- **A.** 5403.10.00.00, 5403.10.30.20, 5403.10.30.40, 5403.10.60.00, 5403.20.00.00, 5403.20.30.00, 5403.20.60.00, 5403.31.10.00 - 5403.39.00.40, 5403.41.00.00 - 5403.49.00.00, 5405.00.30.00 & 5405.00.60.00.
- **B.** 5402.31.00.00, 5402.31.30.00, 5402.31.60.00, 5402.32.00.00, 5402.32.20.00, 5402.32.60.00, 5402.41.00.10, 5402.33.00.00, 5402.33.30.00, 5402.33.60.00, 5402.42.00.00, 5402.39.00.00, 5402.39.30.10, 5402.39.30.90, 5402.39.60.10 & 5402.39.60.90.
- **C.** 5402.10.00.00, 5402.10.30.20, 5402.10.30.40, 5402.10.60.00, 5402.41.00.20, 5402.41.00.30, 5402.41.00.40, 5402.41.00.60, 5402.51.00.00, 5402.61.00.00, 5404.10.20.20, 5402.20.00.00, 5402.20.30.20, 5402.20.30.40, 5402.20.60.00, 5402.43.00.20, 5402.43.00.30, 5402.43.00.40, 5402.43.00.60, 5402.52.00.00, 5402.62.00.00, 5404.10.20.40, 5402.49.00.10, 5402.49.00.50, 5402.49.00.70, 5402.49.00.80, 5402.59.00.00, 5402.69.00.00, 5404.10.10.00, 5404.10.20.90 & 5404.90.00.00.
- **D.** 5504.10.00.00, 5504.90.00.00 & 5507.00.00.00.
- **E.** 5503.10.00.00, 5503.20.00.00, 5503.30.00.00, 5503.40.00.00, 5503.90.00.00, 5501.10.00.00, 5501.20.00.00, 5501.30.00.00, 5501.90.00.00, 5506.10.00.00, 5506.20.00.00, 5506.30.00.00 & 5506.90.00.00.

TABLE 18:
U.S. MANUFACTURED FILAMENT YARN DOMESTIC SHIPMENTS[a]: 1988 TO 1992

MILLION POUNDS

		ANNUAL DATA				QUARTERLY DATA							
						1991				1992			
ITEM		1988	1989	1990	1991	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY[b]	N	100.3	j	j	j	j	j	j	j	j	j		
OTHER CIRCULAR KNIT[c]	N	26.4	139.1	128.1	136.0	34.1	33.9	31.8	36.2	31.8	32.6		
	P	119.5	132.4	129.8	146.9	27.1	31.2	40.7	47.9	48.7	52.6		
	C	0.6	0.5	0.8	0.8	0.2	0.2	0.2	0.2	0.2	0.2		
FLAT KNIT	C	24.3	21.4	15.0	12.3	3.7	4.5	2.2	1.9	1.8	2.4		
	N	133.4	125.2	103.7	106.9	25.3	24.6	28.8	28.2	28.7	26.4		
	P	162.1	181.0	142.7	169.8	37.4	42.6	43.8	46.0	44.5	48.9		
CARPET FACE	N	938.3	932.3	948.7	894.7	177.4	236.6	258.1	222.6	235.0	251.1		
	O	266.6	249.9	360.4	420.8	90.4	107.4	112.2	110.8	103.4	132.8		
CARPET BACKING[d]	O	427.0	463.4	447.5	413.3	96.5	102.7	109.5	104.6	100.4	110.6		
OTHER BROAD WOVEN[e]	C	141.9	149.4	152.9	165.8	34.4	42.8	43.7	44.9	41.0	47.5		
	N	78.3	88.8	95.5	93.6	20.9	21.9	25.3	25.5	24.0	25.4		
	P	391.3	360.7	353.3	383.2	86.8	97.7	100.2	98.5	91.2	98.1		
	O	337.3	337.5	415.0	387.4	84.1	102.7	102.3	98.3	92.8	97.1		
NARROW WOVEN[f]	C	4.4	4.4	3.2	0.5	0.2	0.1	0.1	0.1	0.1	0.1		
	N	42.0	36.9	35.7	38.3	9.9	10.4	8.9	9.1	9.9	9.3		
	P	81.0	76.4	73.1	69.9	13.3	18.7	19.4	18.5	15.8	20.2		
	O	19.0	19.8	17.3	17.9	3.9	4.7	4.7	4.6	4.6	4.6		
TIRES, INCL. CHAFER[g]	N	132.2	135.7	128.2	121.2	34.5	30.5	28.5	27.7	29.0	33.4		
	P	171.8	174.9	167.2	155.0	37.4	39.7	37.8	40.1	45.8	48.1		
OTHER RUBBER INDUSTRY[c g]	N	20.4	18.1	19.1	19.7	5.1	4.7	4.8	5.1	5.5	5.6		
	P	25.2	32.7	40.7	36.9	8.4	9.9	8.9	9.7	9.8	10.9		
ROPE, CORDAGE & FISHLINE	N	36.4	34.2	39.2	36.1	8.8	9.9	9.0	8.4	7.8	8.2		
	P	12.5	14.4	15.1	13.7	3.4	2.7	3.8	3.8	3.0	3.9		
	O	120.3	125.6	120.8	101.0	26.3	26.1	22.3	26.3	30.3	30.0		
ALL OTHER[h]	C	11.4	11.6	0.8	0.5	0.2	0.1	0.1	0.1	+	+		
	N	64.7	65.0	39.3	47.4	11.1	14.2	12.5	9.6	9.2	8.4		
	P	194.0	138.2	124.3	138.6	35.3	41.2	32.7	29.4	34.7	32.6		
	O	29.6	29.8	43.9	40.2	10.8	9.4	10.3	9.7	9.8	10.3		
TOTAL ABOVE	**C**	**182.6**	**187.3**	**172.7**	**179.9**	**38.7**	**47.7**	**46.3**	**47.2**	**43.1**	**50.2**		
	N	**1572.4**	**1575.3**	**1537.5**	**1493.9**	**327.1**	**386.7**	**407.7**	**372.4**	**380.9**	**400.4**		
	P	**1157.4**	**1110.7**	**1046.2**	**1114.0**	**249.1**	**283.7**	**287.3**	**293.9**	**293.5**	**315.3**		
	O	**1199.8**	**1226.0**	**1404.9**	**1380.6**	**312.0**	**353.0**	**361.3**	**354.3**	**341.3**	**385.4**		
TOTAL DOMESTIC SHIPMENTS		**4112.2**	**4099.3**	**4161.3**	**4168.4**	**926.9**	**1071.1**	**1102.6**	**1067.8**	**1058.8**	**1151.3**		
ALSO DIVIDED AS													
APPAREL		*941.2*	*924.7*	*846.7*	*952.7*	*218.0*	*240.9*	*241.5*	*252.3*	*244.6*	*259.4*		
HOME TEXTILES		*1902.6*	*1927.2*	*2036.5*	*2001.5*	*426.6*	*518.6*	*551.1*	*505.2*	*506.6*	*562.4*		
INDUSTRIAL		*1268.4*	*1247.4*	*1278.1*	*1214.2*	*282.3*	*311.6*	*310.0*	*310.3*	*307.6*	*329.5*		
SHIPMENTS OF FEED & PRODUCER-TEXTURED YARN (NONCARPET)[i]													
NYLON		NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
POLYESTER		649.9	597.3	560.4	655.9	146.7	164.2	167.7	177.3	173.6	189.1		
OLEFIN		24.4	26.0	28.7	NA	6.0	7.9	NA	NA	NA	NA		

(C) ARTIFICIAL (CELLULOSIC) YARN ***(N) NYLON*** ***(P) POLYESTER*** ***(O) OLEFIN***

NA No longer available.

a. Filament yarn plus monofilament shipments by primary trade or end use; olefin includes spunbonded polypropylene but does not include spunbonded polyethylene.

b. Small quantities of polyester and artificial (cellulosic) yarn are included in All Other.

c. Small quantities of olefin are included in All Other.

d. Small quantities of nylon and polyester are included in All Other.

e. Other Broad Woven except carpets, tire fabric, flat belting, etc.

f. Narrow Woven includes apparel ribbons and braids, auto seat belts and/or furniture webbing.

g. Artificial (cellulosic) yarn quantities included in All Other.

h. All Other includes sewing thread and other industrial applications. The olefin quantities include sliver knit backing. Also includes indirect exports.

i. These quantities are included in the Total Domestic area above.

j. Nylon quantities are included in Other Circular Knit.

TABLE 19:
U.S. MANUFACTURED STAPLE+TOW DOMESTIC SHIPMENTS: 1988 TO 1992

MILLION POUNDS

ITEM		ANNUAL DATA				QUARTERLY DATA							
						1991				1992			
		1988	1989	1990	1991	1ST Q	2ND Q	3RD Q	4TH Q	1ST Q	2ND Q	3RD Q	4TH Q
HOSIERY, SWEATERS & CRAFT YARNS[a]	A	183.2	174.5	139.7	135.2	30.1	38.0	32.4	34.7	} 34.4	34.4		
	NPR	2.7	2.1	2.4	2.4	0.6	0.4	0.7	0.7				
PILE FABRICS[b]	A	21.3	20.0	15.2	k	k	k	k	k	k	k		
	P	14.7	15.3	12.4	9.5	2.8	2.6	2.1	2.0	3.1	3.1		
OTHER CIRCULAR KNIT + FLAT KNIT[c]	R	2.5	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	A	139.0	132.4	109.0	105.9	26.9	28.8	29.7	20.5	29.5	34.5		
	P	470.0	519.5	485.3	483.7	109.4	123.0	121.3	130.0	134.9	129.4		
BLANKETS[b]	A	25.1	29.8	i	i	i	i	i	i	i	i		
	P	6.9	9.2	3.3	4.2	0.3	0.8	0.6	2.5	1.0	0.7		
OTHER BROAD WOVEN	R	243.0	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	N	35.2	32.7	26.9	j	j	j	j	j	j	j		
	A	39.3	40.5	66.6	58.8	13.8	15.6	16.5	12.9	14.8	13.4		
	P	863.5	821.8	687.4	682.1	156.3	162.4	175.3	188.1	177.8	174.4		
	O	17.1	21.6	18.3	35.8	8.6	9.6	9.8	7.8	8.2	10.6		
CARPET FACE YARNS[f]	R	0.4	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	N	887.7	894.9	896.8	768.9	162.2	202.0	216.4	188.3	192.4	211.8		
	P	261.2	211.6	166.5	230.4	38.2	58.8	60.5	72.9	70.5	67.1		
	O	138.2	137.7	127.4	123.4	23.9	32.2	33.2	34.1	31.7	34.6		
FIBERFILL[d]	P	357.2	349.5	376.3	429.5	96.5	107.5	113.1	112.4	108.5	97.5		
FLOCK	NP	6.9	7.5	9.6	12.4	3.3	2.7	3.1	3.3	3.9	4.7		
	R	0.1	NA	NA	NA	NA	NA	NA	NA	NA	NA		
NONWOVENS[e]	R	122.3	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	N	2.1	2.4	2.9	j	j	j	j	j	j	j		
	P	244.1	271.5	239.9	237.3	57.1	58.0	61.8	60.4	54.8	57.2		
	O	180.9	194.8	232.5	271.6	63.1	66.8	70.4	71.3	67.5	58.2		
ALL OTHER	R	17.2	NA	NA	NA	NA	NA	NA	NA	NA	NA		
	N	13.7	17.8	13.9	53.2	13.6	14.6	13.4	11.6	10.0	12.9		
	A	13.2	17.4	21.7	19.3	5.3	4.7	4.2	5.1	5.4	5.8		
	P	91.3	61.0	42.0	49.3	6.7	12.2	13.3	17.1	9.6	11.1		
	O	8.0	9.3	9.7	6.7	1.5	2.0	1.6	1.6	2.0	2.3		
TOTAL ABOVE	**R**	**386.0**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**	**NA**		
	N	**944.9**	**955.3**	**950.2**	**835.0**	**179.1**	**219.5**	**233.1**	**203.3**	**206.5**	**229.5**		
	A	**421.1**	**414.8**	**352.2**	**319.2**	**76.1**	**87.1**	**82.8**	**73.2**	**83.7**	**87.7**		
	P	**2311.8**	**2261.3**	**2015.4**	**2127.9**	**467.9**	**525.5**	**548.5**	**586.0**	**560.4**	**540.8**		
	O	**344.2**	**363.4**	**387.9**	**437.5**	**97.1**	**110.6**	**115.0**	**114.8**	**109.4**	**105.7**		
TOTAL DOMESTIC SHIPMENTS		**4408.0**	**3994.8**	**3705.7**	**3719.6**	**820.2**	**942.7**	**979.4**	**977.3**	**960.0**	**963.7**		
ALSO DIVIDED AS													
APPAREL		*1421.6*	*1266.8*	*1061.6*	*1022.7*	*236.1*	*263.7*	*261.1*	*261.8*	*276.3*	*278.3*		
HOME TEXTILES		*1827.5*	*1695.7*	*1597.4*	*1517.3*	*315.2*	*385.4*	*408.2*	*408.5*	*399.8*	*412.5*		
INDUSTRIAL		*1158.9*	*1032.3*	*1046.7*	*1179.6*	*268.9*	*293.6*	*310.1*	*307.0*	*283.9*	*272.9*		

(R) RAYON [h] ***(N) NYLON*** ***(A) ACRYLIC+MODACRYLIC*** ***(P) POLYESTER*** ***(O) OLEFIN*** [g]

NA No longer available.
a. Olefin quantities are included in All Other.
b. Rayon and nylon quantities are included in All Other.
c. Nylon quantities are included in All Other.
d. Rayon, acrylic and nylon quantities are included in All Other.
e. Wet & dry laid and needled batts only.
f. Acrylic and nylon quantities are included in All Other.
g. Data exclude Vinyon.
h. Rayon staple+tow data no longer available in 1989-1992.
i. Acrylic quantities are included in Other Broad Woven.
j. Nylon quantities are included in All Other.
k. Acrylic quantities are included in Other Circular Knit + Flat Knit.

TABLE 20:
SELECTED U.S. MONTHLY FIBER DATA: 1992
MILLION POUNDS

	1992												YEAR TO DATE[a]	
ITEM	**JAN**	**FEB**	**MAR**	**APR**	**MAY**	**JUN**	**JUL**	**AUG**	**SEP**	**OCT**	**NOV**	**DEC**	**1992**	**1991**
	MANUFACTURED FIBER TOTAL SHIPMENTS [b] [c]													
ARTIFICIAL (CELLULOSIC)														
YARN+MONOFILAMENTS	16.8	17.9	17.4	21.9	18.3	19.0	19.5	16.7	17.6				165.1	157.5
RAYON STAPLE	23.0	21.0	22.7	19.8	23.9	20.3	23.2	24.3	24.5				202.7	199.4
TOTAL ARTIFICIAL (CELLULOSIC)	**39.8**	**38.9**	**40.1**	**41.7**	**42.2**	**39.3**	**42.7**	**41.0**	**42.1**				**367.8**	**356.9**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON INDUSTRIAL[d]	25.2	23.2	28.8	27.7	26.2	25.1	25.1	23.4	24.7				229.4	239.3
- CARPET	82.4	77.9	86.2	92.5	86.5	80.2	85.6	83.6	84.9				759.8	702.7
- TEXTILE[f]	33.9	29.2	31.8	30.4	31.1	30.2	31.1	31.8	33.0				282.5	284.3
POLYESTER - INDUSTRIAL[d]	30.6	28.9	31.6	34.9	30.5	31.5	29.6	31.3	32.0				280.9	248.1
- TEXTILE[f]	71.2	67.8	77.1	81.2	74.1	76.2	71.8	75.9	77.1				672.4	635.3
OLEFIN[e]	110.0	115.3	121.6	131.3	132.1	129.7	127.5	132.7	132.9				1133.1	1045.1
TOTAL YARN+MONOFILAMENTS	**353.3**	**342.3**	**377.1**	**398.0**	**380.5**	**372.9**	**370.7**	**378.7**	**384.6**				**3358.1**	**3154.8**
STAPLE+TOW+FIBERFILL														
NYLON	70.8	63.5	79.3	85.3	77.6	75.0	76.8	74.6	84.2				687.1	652.4
ACRYLIC+MODACRYLIC	35.1	33.5	39.5	39.5	38.2	36.2	35.8	36.9	35.0				329.7	330.6
POLYESTER	195.1	186.8	203.1	208.7	177.5	179.5	198.2	191.5	184.9				1725.3	1621.7
OLEFIN	36.0	38.4	39.4	38.7	37.9	36.4	38.0	40.3	42.4				347.5	337.5
TOTAL STAPLE+TOW+FIBERFILL	**337.0**	**322.2**	**361.3**	**372.2**	**331.2**	**327.1**	**348.8**	**343.3**	**346.5**				**3089.6**	**2942.2**
TOTAL SYNTHETIC (NONCELLULOSIC)	**690.3**	**664.5**	**738.4**	**770.2**	**711.7**	**700.0**	**719.5**	**722.0**	**731.1**				**6447.7**	**6097.0**
TOTAL MANUFACTURED FIBER	**730.1**	**703.4**	**778.5**	**811.9**	**753.9**	**739.3**	**762.2**	**763.0**	**773.2**				**6815.5**	**6453.9**
	MANUFACTURED FIBER END-OF-MONTH STOCKS													
ARTIFICIAL (CELLULOSIC)														
YARN+MONOFILAMENTS	11.3	11.2	10.9	11.5	12.4	12.2	13.1	13.4	13.1				13.1	9.8
RAYON STAPLE	25.6	25.7	26.9	30.7	30.4	33.4	32.7	30.6	29.8				29.8	23.7
TOTAL ARTIFICIAL (CELLULOSIC)	**36.9**	**36.9**	**37.8**	**42.2**	**42.8**	**45.6**	**45.8**	**44.0**	**42.9**				**42.9**	**33.5**
SYNTHETIC (NONCELLULOSIC)														
YARN+MONOFILAMENTS														
NYLON - INDUSTRIAL[d]	30.7	29.6	24.5	22.8	22.5	23.3	23.1	24.0	25.0				25.0	31.0
- CARPET	82.8	81.3	79.0	71.7	69.1	71.8	75.3	80.4	77.5				77.5	47.1
- TEXTILE[f]	43.4	48.6	52.7	50.0	48.8	48.5	47.4	44.7	43.6				43.6	48.4
POLYESTER - INDUSTRIAL[d]	34.7	35.8	34.7	33.7	34.6	34.0	26.5	27.8	28.5				28.5	37.9
- TEXTILE[f]	98.0	98.7	94.1	77.6	77.9	82.5	89.3	88.0	88.7				88.7	89.3
OLEFIN[e]	58.8	59.5	57.4	54.3	50.7	49.7	50.4	49.3	50.0				50.0	56.1
TOTAL YARN+MONOFILAMENTS	**348.4**	**353.5**	**342.4**	**310.1**	**303.6**	**309.8**	**312.0**	**314.2**	**313.3**				**313.3**	**309.8**
STAPLE+TOW+FIBERFILL														
NYLON	64.0	63.5	56.5	51.0	55.1	61.3	60.7	64.3	54.7				54.7	56.5
ACRYLIC+MODACRYLIC	82.3	83.1	79.7	75.2	74.2	75.3	76.5	77.9	78.5				78.5	80.3
POLYESTER	144.3	147.3	146.9	139.2	137.1	156.6	167.7	160.5	157.5				157.5	157.9
OLEFIN	33.6	35.3	38.1	41.4	43.1	43.0	41.1	40.5	36.0				36.0	26.5
TOTAL STAPLE+TOW+FIBERFILL	**324.2**	**329.2**	**321.2**	**306.8**	**309.5**	**336.2**	**346.0**	**343.2**	**326.7**				**326.7**	**321.2**
TOTAL SYNTHETIC (NONCELLULOSIC)	**672.6**	**682.7**	**663.6**	**616.9**	**613.1**	**646.0**	**658.0**	**657.4**	**640.0**				**640.0**	**631.0**
TOTAL MANUFACTURED FIBER	**709.5**	**719.6**	**701.4**	**659.1**	**655.9**	**691.6**	**703.8**	**701.4**	**682.9**				**682.9**	**664.5**
	COTTON CONSUMPTION													
TOTAL RAW COTTON	**369.5**	**383.0**	**496.0**	**376.9**	**394.5**	**405.8**	**341.3**	**371.7**					**3138.7**	**NA**
	WOOL CONSUMPTION [g]													
	1ST QUARTER			**2ND QUARTER**			**3RD QUARTER**			**4TH QUARTER**				
APPAREL CLASS WOOL	39.0			38.5									77.5	72.7
CARPET CLASS WOOL	4.6			4.3									8.9	6.2
TOTAL RAW WOOL	**43.6**			**42.8**									**86.4**	**78.9**

NA - Not Available

[a] "Year to date" totals for stocks, are the latest month's figures.

[b] The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

[c] Producers' total domestic shipments plus export shipments.

[d] Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

[e] Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

[f] Includes low denier industrial yarn.

[g] **Wool data available on a quarterly basis only.**

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Manufactured FIBER REVIEW

A Monthly Summary of Fiber Production Information

Formerly The Man-Made Fiber Review

Vol. 10, No. 5 May 1991

HIGHLIGHTS

In April, production of synthetic (noncellulosic) fibers (except aramid, saran and spandex) totaled 680.4 million pounds, 10.7% above the 614.7 million pounds produced in March. Filament yarn production rose 10.8% to 351.0 million pounds and staple+tow rose 10.6% to 329.4 million pounds.

Shipments of synthetic (noncellulosic) fibers (except aramid, saran and spandex) rose in April to 703.3 million pounds, up 11.9% from the 628.6 million pounds shipped in March. Deliveries of filament yarn rose 11.4% to 361.7 million pounds and shipments of staple+tow rose 12.4% to 341.6 million pounds.

April producer exports of polyester staple+tow rose 4.3% to 11.2 million pounds and exports of acrylic+modacrylic staple+tow fell to 7.0 million pounds, down 33.3%. For April 1991, producer exports of polyester staple+tow were 100% above the 5.6 million pounds exported in April 1990.

As of the end of April, stocks of synthetic (noncellulosic) fibers fell to 692.4 million pounds, down 3.2% from 715.3 million pounds in March. Stocks of staple+tow fell 3.3% and stocks of filament yarn fell 3.1%.

MANUFACTURED FIBER PRODUCTION DATA

MILLION POUNDS & *PERCENT CHANGE*

ITEM	1991 APR	1991 MAR	% CHG 4/91-3/91	1990 APR	% CHG 4/91-4/90	YEAR TO DATE 1991	YEAR TO DATE 1990	% CHG 1990/1989
ARTIFICIAL (CELLULOSIC)								
YARN	19.9	16.6	*+19.9*	18.4	*+8.2*	67.9	65.2	*+4.1*
RAYON STAPLE	22.0	20.8	*+5.8*	28.4	*-22.5*	89.4	101.7	*-12.1*
TOTAL ARTIFICIAL (CELLULOSIC) FIBER	**41.9**	**37.4**	***+12.0***	**46.8**	***-10.5***	**157.3**	**166.9**	***-5.8***
SYNTHETIC (NONCELLULOSIC)								
YARN								
NYLON - INDUSTRIAL	30.1	27.3	*+10.3*	31.0	*-2.9*	114.2	116.9	*-2.3*
- CARPET	69.0	60.8	*+13.5*	86.2	*-20.0*	276.5	334.8	*-17.4*
- TEXTILE [a]	33.8	27.7	*+22.0*	31.2	*+8.3*	126.1	125.0	*+0.9*
POLYESTER - INDUSTRIAL	31.9	25.3	*+26.1*	32.6	*-2.1*	115.7	122.9	*-5.9*
- TEXTILE [a]	72.5	64.9	*+11.7*	66.3	*+9.4*	276.9	238.1	*+16.3*
OLEFIN	113.7	110.8	*+2.6*	122.1	*-6.9*	435.6	461.8	*-5.7*
TOTAL YARN	**351.0**	**316.8**	***+10.8***	**369.4**	***-5.0***	**1345.0**	**1399.5**	***-3.9***
STAPLE+TOW+FIBERFILL								
NYLON	66.6	62.2	*+7.1*	92.2	*-27.8*	267.2	329.2	*-18.8*
ACRYLIC+MODACRYLIC	38.4	31.0	*+23.9*	42.2	*-9.0*	141.4	171.8	*-17.7*
POLYESTER	185.5	168.6	*+10.0*	206.7	*-10.3*	690.7	727.6	*-5.1*
OLEFIN	38.9	36.1	*+7.8*	33.4	*+16.5*	141.1	130.3	*+8.3*
TOTAL STAPLE	**329.4**	**297.9**	***+10.6***	**374.5**	***-12.0***	**1240.4**	**1358.9**	***-8.7***
TOTAL SYNTHETIC (NONCELLULOSIC) FIBER	**680.4**	**614.7**	***+10.7***	**743.9**	***-8.5***	**2585.4**	**2758.4**	***-6.3***
TOTAL MANUFACTURED FIBER	**722.3**	**652.1**	***+10.8***	**790.7**	***-8.7***	**2742.7**	**2925.3**	***-6.2***

[a] Includes low denier industrial nylon and polyester yarn.

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SYNTHETIC (NONCELLULOSIC) YARN+MONOFILAMENTS
PRODUCTION, SHIPMENTS & STOCK
MONTHLY 1991
MILLION POUNDS

	1991												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
NYLON														
INDUSTRIAL[a]														
Domestic Shipments-Tires	11.6	12.1	10.1	10.2									44.0	44.8
-Other	11.2	8.9	10.6	12.4									43.1	38.1
Export	6.4	7.1	5.8	5.3									24.6	29.1
Ending Stock	25.0	23.9	24.7	26.9									26.9	36.0
CARPET														
Domestic Shipments	65.3	51.2	60.9	77.3									254.7	322.4
Export	4.1	3.3	2.9	3.0									13.3	13.0
Ending Stock	72.0	80.6	77.6	66.3									66.3	63.2
TEXTILE[c]														
Domestic Shipments	[r]31.0	[r]27.3	[r]26.9	30.3									115.5	111.4
Export	3.2	2.7	1.9	2.5									10.3	7.6
Ending Stock	46.2	46.2	45.1	46.1									46.1	63.5
TOTAL NYLON ABOVE														
PRODUCTION	**[r]148.0**	**[r]120.1**	**[r]115.8**	**132.9**									**516.8**	**576.7**
Domestic Shipments	[r]119.1	[r]99.5	[r]108.5	130.2									457.3	516.7
Export	13.7	13.1	10.6	10.8									48.2	49.7
TOTAL SHIPMENTS	**[r]132.8**	**[r]112.6**	**[r]119.1**	**141.0**									**505.5**	**566.4**
ENDING STOCK	**143.2**	**150.7**	**147.4**	**139.3**									**139.3**	**162.7**
POLYESTER														
INDUSTRIAL[a]														
Domestic Shipments-Tires	[r]11.4	[r]12.9	[r]13.1	13.0									50.4	55.0
-Other	9.8	9.7	10.0	12.3									41.8	51.1
Export	3.8	4.4	3.4	3.8									15.4	14.4
Ending Stock	41.0	43.0	41.8	44.6									44.6	39.2
TEXTILE[c]														
Domestic Shipments by Denier														
40+50 (55 & Finer)	1.4	1.6	2.2	2.3									7.5	9.2
70 (56-89)	8.5	8.1	9.6	11.0									37.2	36.2
100 (90-109)	2.5	2.3	2.5	3.0									10.3	11.3
120+135 (110-144)	1.2	0.8	1.3	1.1									4.4	3.9
150 (145-179)	43.1	38.2	38.0	45.4									164.7	143.5
200 (180 & Coarser)	7.3	7.1	6.5	8.4									29.3	26.2
Total Textile Domestic	64.0	58.1	60.1	71.2									253.4	230.3
Domestic Shipments also Divided as														
Textured Yarn	52.2	47.2	47.3	55.5									202.2	172.9
Flat Yarn	11.8	10.9	12.8	15.7									51.2	57.4
Export - Poy	3.5	3.1	3.5	4.4									14.5	8.1
Export - Flat	0.4	0.3	0.8	0.3									1.8	2.2
Ending Stock	86.4	93.4	93.9	90.5									90.5	106.4
TOTAL POLYESTER ABOVE														
PRODUCTION	**[r]100.5**	**[r]97.5**	**[r]90.2**	**104.4**									**392.6**	**361.0**
Domestic Shipments	[r]85.2	[r]80.7	[r]83.2	96.5									345.6	336.4
of Which Indirect Exports	*7.3*	*7.2*	*[r]7.8*	*8.0*									*30.3*	*15.2*
Export	7.7	7.8	7.7	8.5									31.7	24.7
TOTAL SHIPMENTS	**[r]92.9**	**[r]88.5**	**[r]90.9**	**105.0**									**377.3**	**361.1**
ENDING STOCK	**127.4**	**136.4**	**135.7**	**135.1**									**135.1**	**145.6**
OLEFIN														
PRODUCTION	**[r]108.5**	**[r]102.6**	**[r]110.8**	**113.7**									**435.6**	**461.8**
Shipments														
Filament Yarn	32.6	33.5	32.2	35.7									134.0	129.8
Film Fiber & Other	[r]70.8	[r]70.9	[r]77.2	80.0									298.9	334.8
TOTAL SHIPMENTS	**[r]103.4**	**[r]104.4**	**[r]109.4**	**115.7**									**432.9**	**464.6**
ENDING STOCK	**61.5**	**[r]59.7**	**[r]61.1**	**59.1**									**59.1**	**63.3**
TOTAL ABOVE[b]														
PRODUCTION	**[r]357.0**	**[r]320.2**	**[r]316.8**	**351.0**									**1345.0**	**1399.5**
DOMESTIC SHIPMENTS[d]	[r]307.7	[r]284.6	[r]301.1	342.4									1235.8	1317.7
EXPORTS[e]	21.4	20.9	18.3	19.3									79.9	74.4
TOTAL SHIPMENTS	**[r]329.1**	**[r]305.5**	**[r]319.4**	**361.7**									**1315.7**	**1392.1**
ENDING STOCK	**332.1**	**[r]346.8**	**[r]344.2**	**333.5**									**333.5**	**371.6**

See footnotes opposite.

SYNTHETIC (NONCELLULOSIC) STAPLE+TOW+FIBERFILL
PRODUCTION, SHIPMENTS & STOCK
MONTHLY 1991
MILLION POUNDS

	1991												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
NYLON														
PRODUCTION - TOTAL	**73.1**	**65.3**	**62.2**	**66.6**									**267.2**	**329.2**
Domestic Shipments by Denier														
Less than 10	7.7	7.6	6.2	8.5									30.0	29.4
10, Less than 15	1.8	0.7	1.3	2.1									5.9	7.1
15, Less than 20	50.3	40.6	52.1	61.7									204.7	264.8
20 & Coarser	4.6	3.5	2.7	3.7									14.5	23.7
Total Domestic Shipments	64.4	52.4	62.3	76.0									255.1	325.0
Export	2.4	2.3	1.8	2.1									8.6	9.7
TOTAL SHIPMENTS	**66.8**	**54.7**	**64.1**	**78.1**									**263.7**	**334.7**
ENDING STOCK	**71.0**	**81.6**	**79.7**	**68.2**									**68.2**	**44.3**
ACRYLIC+MODACRYLIC														
PRODUCTION - TOTAL	**38.2**	**33.8**	**31.0**	**38.4**									**141.4**	**171.8**
Domestic Shipments by Denier														
Less than 4	19.1	19.9	20.1	21.0									80.1	97.3
4 & Coarser	6.6	5.5	4.9	6.2									23.2	33.0
Total Domestic Shipments	25.7	25.4	25.0	27.2									103.3	130.3
Export	10.8	9.4	10.5	7.0									37.7	32.7
TOTAL SHIPMENTS	**36.5**	**34.8**	**35.5**	**34.2**									**141.0**	**163.0**
ENDING STOCK	**73.4**	**72.4**	**67.9**	**72.1**									**72.1**	**75.3**
POLYESTER														
PRODUCTION - TOTAL	***180.2**	**156.4**	**168.6**	**185.5**									**690.7**	**727.6**
Domestic Shipments by Denier														
Fiberfill	*33.2	*30.8	*32.5	39.7									136.2	122.9
Less than 1.3	58.9	54.2	52.0	64.4									229.5	237.9
1.3, Less than 2.5	*45.9	38.9	*39.4	40.2									164.4	193.5
2.5, Less than 5.5	8.4	9.0	8.5	9.9									35.8	29.0
5.5, Less than 10	*5.6	*5.5	*4.6	5.6									21.3	21.5
10 & Coarser	*10.3	*12.8	*17.4	20.7									61.2	74.4
Total Domestic Shipments	*162.3	151.2	154.4	180.5									648.4	679.2
Domestic Shipments also Divided as														
Carpet	*9.3	*11.8	*17.1	20.3									58.5	61.5
Nonwoven	*20.1	*19.3	*17.7	22.0									79.1	75.6
Other	*132.9	*120.1	*119.6	138.2									510.8	542.1
Export	6.3	8.4	11.7	11.2									37.6	20.9
TOTAL SHIPMENTS	***168.6**	**159.6**	**166.1**	**191.7**									**686.0**	**700.1**
ENDING STOCK	**192.7**	**189.5**	**192.0**	**185.8**									**185.8**	**217.4**
OLEFIN														
PRODUCTION	***35.0**	***31.1**	***36.1**	**38.9**									**141.1**	**130.3**
SHIPMENTS	***34.7**	***30.9**	***34.6**	**37.6**									**137.8**	**135.1**
ENDING STOCK	**29.8**	**30.0**	**31.5**	**32.8**									**32.8**	**29.8**
TOTAL ABOVE														
PRODUCTION	***326.5**	***286.6**	***297.9**	**329.4**									**1240.4**	**1358.9**
DOMESTIC SHIPMENTS [d]	*287.1	*259.9	*276.3	321.3									1144.6	1269.6
EXPORTS [e]	19.5	20.1	24.0	20.3									83.9	63.3
TOTAL SHIPMENTS	***306.6**	***280.0**	***300.3**	**341.6**									**1228.5**	**1332.9**
ENDING STOCK	**366.9**	**373.5**	**371.1**	**358.9**									**358.9**	**366.8**

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* Revised

a. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier

b. Does not include saran or spandex.

c. Low denier industrial included with Textile.

d. Includes olefin exports.

e. Excludes olefin exports.

ARTIFICIAL (CELLULOSIC) YARN & STAPLE+TOW PRODUCTION, SHIPMENTS & STOCK

MONTHLY 1991

MILLION POUNDS

	1991												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
	YARN+MONOFILAMENTS													
ARTIFICIAL (CELLULOSIC) YARN														
PRODUCTION	**15.6**	**15.8**	**16.6**	**19.9**									**67.9**	**65.2**
SHIPMENTS-Domestic	11.9	13.2	13.6	17.8									56.5	56.2
-Export	2.9	3.2	2.6	2.5									11.2	9.8
-TOTAL	**14.8**	**16.4**	**16.2**	**20.3**									**67.7**	**66.0**
ENDING STOCK	**10.2**	**9.6**	**10.0**	**9.6**									**9.6**	**9.1**
INCLUDES ACETATE AND RAYON YARN+MONOFILAMENT.														
	STAPLE+TOW													
RAYON														
PRODUCTION	**25.5**	**21.1**	**20.8**	**22.0**									**89.4**	**101.7**
SHIPMENTS-Domestic	19.8	15.7	21.7	21.0									78.2	104.1
-Export	0.6	0.5	0.4	0.4									1.9	5.8
-TOTAL	**20.4**	**16.2**	**22.1**	**21.4**									**80.1**	**109.9**
ENDING STOCK	**22.4**	**27.3**	**26.0**	**26.6**									**26.6**	**14.2**

ESTIMATED U.S. MILL CONSUMPTION

MILLION POUNDS

	1991												YEAR TO DATE	
ITEM	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	1991	1990
ARTIFICIAL (CELLULOSIC)														
YARN	14	15											29	30
STAPLE	30	25											55	67
TOTAL ARTIFICIAL (CELLULOSIC)	**44**	**40**											**84**	**97**
SYNTHETIC (NONCELLULOSIC)														
YARN	316	294											610	664
STAPLE	324	296											620	690
TOTAL SYNTHETIC (NONCELLULOSIC)	**640**	**590**											**1230**	**1354**
TOTAL MANUFACTURED FIBER [a]	**684**	**630**											**1314**	**1451**
COTTON [b]	NA	NA											NA	NA
WOOL [b]	NA	NA											NA	NA
TOTAL FIBER	**684**	**630**											**1314**	**1451**

a. Excludes glass fiber, acetate cigarette tow and Aramid

b. Cotton and Wool data available on a quarterly basis only